

December 6, 2005

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 5-18-9-16, 6-18-9-16, 12-18-9-16, 13-18-9-16, 14-18-9-16, 15-18-9-16, 1-23-9-16, 2-23-9-16, and 4-24-9-16.

#### Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 13-18-9-16, 14-18-9-16 and 15-18-9-16 are Exception Locations. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier

Regulatory Specialist

mc

enclosures

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DEC 08 2005

DIV. OF OIL, GAS & MINING

Form 3160-3 (September 2001)  UNITED STATES			FORM APPR OMB No. 100 Expires January	04-0136
DEPARTMENT OF THE IN BUREAU OF LAND MANAC	5. Lease Serial No. UTU-64379			
APPLICATION FOR PERMIT TO DE			6. If Indian, Allottee or	Гribe Name
ALL EIGHTION FOR TERMIN TO DE	CILL ON RELIVIER		N/A	
la. Type of Work: 🗵 DRILL 🔲 REENTER	2		7. If Unit or CA Agreeme N/A	ent, Name and No.
1b. Type of Well: Oil Well Gas Well Other	Single Zone	ple Zone	8. Lease Name and Well Federal 12-18-9-1	
Name of Operator     Newfield Production Company			9. API Well No. 43-013	32998
3a. Address	3b. Phone No. (include area code) (435) 646-3721		10. Field and Pool, or Expl	oratory
Route #3 Box 3630, Myton UT 84052		Monument Butte		
4. Location of Well (Report location clearly and in accordance with At surface NW/SW 1980' FSL 560' FWL 570957  At proposed prod. zone 443111:	• •	7	11. Sec., T., R., M., or Blk  NW/SW Sec. 18, 1	-
14. Distance in miles and direction from nearest town or post office*	•		12. County or Parish	13. State
Approximatley 14.5 miles southwest of Myton, Utah			Duchesne	UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 560' f/lse, NA' f/unit	16. No. of Acres in lease	17. Spacing	g Unit dedicated to this well 40 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1502'	19. Proposed Depth 5955'		BIA Bond No. on file UT0056	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will sta	rt*	23. Estimated duration	
6120' GL	1st Quarter 2006		Approximately seven (7) days from s	pud to rig release.
	24. Attachments			
The following, completed in accordance with the requirements of Onshor	re Oil and Gas Order No.1, shall be att	ached to this	form:	
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).</li> </ol>	Item 20 above). 5. Operator certific	ation. specific info	s unless covered by an exis	· ·
25. Signature how how ho	Name (Printed/Typed) Mandie Crozier		Dat	12/6/05
Title Regulatory Specialist			_ 1	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

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## T9S, R16E, S.L.B.&M.

\$89\*56'E - 78.00 (G.L.O.) 2646.20' (Measured) S89°41'19"E - 2509.12' (Meas.) S89 56'E G.L.O. (Basis of Bearings) 1910 1910 Brass Cap Brass Cap Brass Cap LOT 1 NORTH (G.L.O.) S.) NOO'15'57"E WELL LOCATION: 9 MILE 12-18-9-16 LOT 2 ELEV. UNGRADED GROUND = 6119.8' 1910 Brass Cap 1910 Brass Cap LOT 3 560' DRILLING WINDOW LOT 4 1910 1910 Brass Cap Brass Cap S89'42'06"E - 2535.11' (Meas.) S89'38'49"E - 2608.82' (Meas.) Brass Cap S89°55'E - 78.31 (G.L.O.)

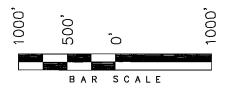


= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW) 9 MILE 12-18-9-16 (Surface Location) NAD 83 LATITUDE = 40° 01' 44.88" LONGITUDE = 110° 10' 08.72"

### NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 12-18-9-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 18, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THATOPHE ABOVE PER WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPPRISON AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND FILEP No.189377

REGISTERED LAND SURVEYOR REGISTRATION OF BEAM TE OF

#### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

· · · · · ·	
DATE SURVEYED: 11-15-05	SURVEYED BY: C.M.
DATE DRAWN: 11-22-05	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

## NEWFIELD PRODUCTION COMPANY FEDERAL #12-18-9-16 NW/SW SECTION 18, T9S, R16E DUCHESNE COUNTY, UTAH

#### ONSHORE ORDER NO. 1

#### **DRILLING PROGRAM**

#### 1. <u>GEOLOGIC SURFACE FORMATION:</u>

Uinta formation of Upper Eocene Age

#### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

 Uinta
 0' - 2590'

 Green River
 2590'

 Wasatch
 5955'

#### 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:</u>

Green River Formation 2590' - 5955' - Oil

#### 4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

#### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

#### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

#### 7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

#### 8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

#### 9. <u>ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:</u>

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

#### 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

### NEWFIELD PRODUCTION COMPANY FEDERAL #12-18-9-16 NW/SW SECTION 18, T9S, R16E DUCHESNE COUNTY, UTAH

#### ONSHORE ORDER NO. 1

#### MULTI-POINT SURFACE USE & OPERATIONS PLAN

#### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #12-18-9-16 located in the NW 1/4 SW 1/4 Section 18, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 - 1.8 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly -9.5 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly -0.2 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed southwesterly along the proposed access road  $-6.570^{\circ}\pm$  to it's junction with a proposed access road to the northeast; proceed northeasterly along the proposed access road  $-710^{\circ}\pm$  to the proposed well location.

#### 2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

#### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Carlsbad Canyon. Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

#### 5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

#### 6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

#### 8. <u>ANCILLARY FACILITIES</u>

Please refer to the Monument Butte Field SOP.

#### 9. WELL SITE LAYOUT

See attached Location Layout Diagram.

#### 10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

#### 11. SURFACE OWNERSHIP - Bureau Of Land Management

#### 12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-328, 1/19/05. Paleontological Resource Survey prepared by, Wade E. Miller, 5/11/05. See attached report cover pages, Exhibit "D".

For the Federal #12-18-9-16 Newfield Production Company requests a 5400' ROW in Lease UTU-74390 and 1880' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. Refer to Topographic Map "B". The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 5400' ROW in Lease UTU-74390 and 1880' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

#### Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

#### Threatened, Endangered, And Other Sensitive Species

**Prarie Falcon:** Due to this proposed well location's proximity (less that 0.5 mile) to an existing prarie falcon nest site, no new construction or surface disturbing activities will be allowed between March 1 and July 31. If the nest remains inactive on May 30<sup>th</sup> (based on a preconstruction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for

two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Sage Grouse:** If new construction or surface disturbing activities are scheduled to occur between March 1 and June 30, detailed surveys of the area within 0.5 mile of the proposed location must be conducted to detect the presence of sage grouse. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

#### Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

#### Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Crested Wheatgrass

Agropyron Cristatum

12 lbs/acre

#### **Details of the On-Site Inspection**

The proposed Federal #12-18-9-16 was on-sited on 8/30/05. The following were present; Shon Mckinnon (Newfeild Production), Byron Tolman (Bureau of Land Management), and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

#### 13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

#### <u>Representative</u>

Name:

Shon Mckinnon

Address:

Route #3 Box 3630

Myton, UT 84052

Telephone:

(435) 646-3721

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #12-18-9-16 NW/SW Section 18, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

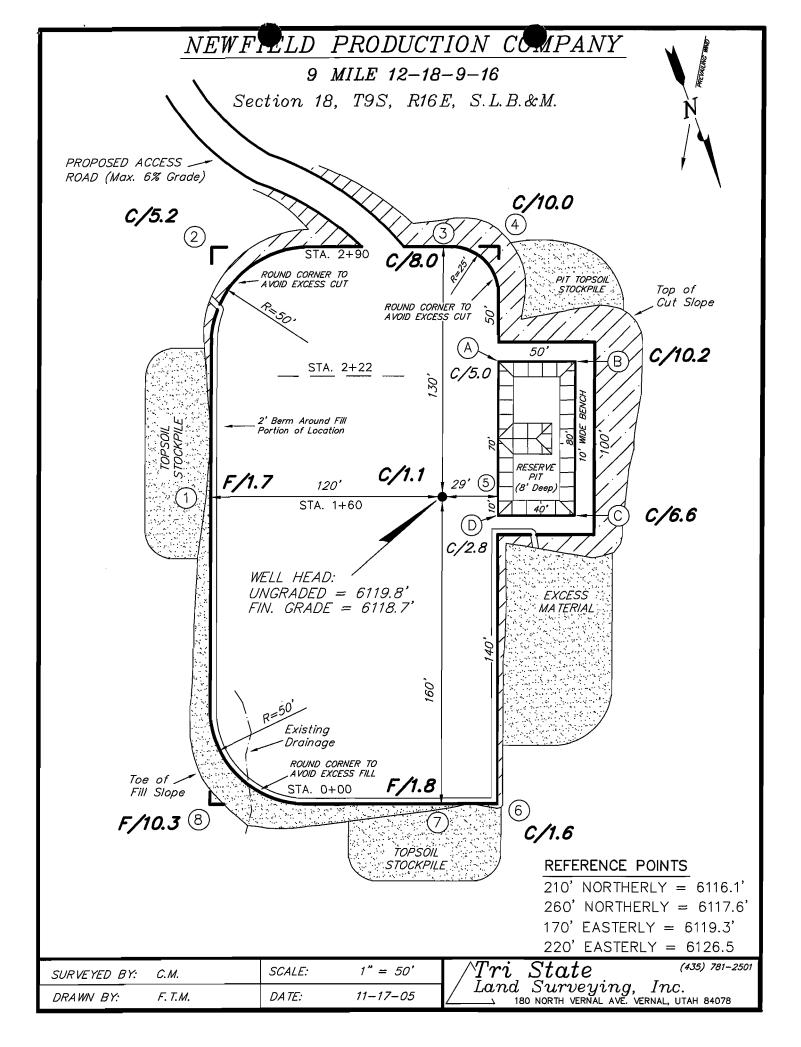
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

0/6/05 Date

Mandie Crozier

Regulatory Specialist

Newfield Production Company



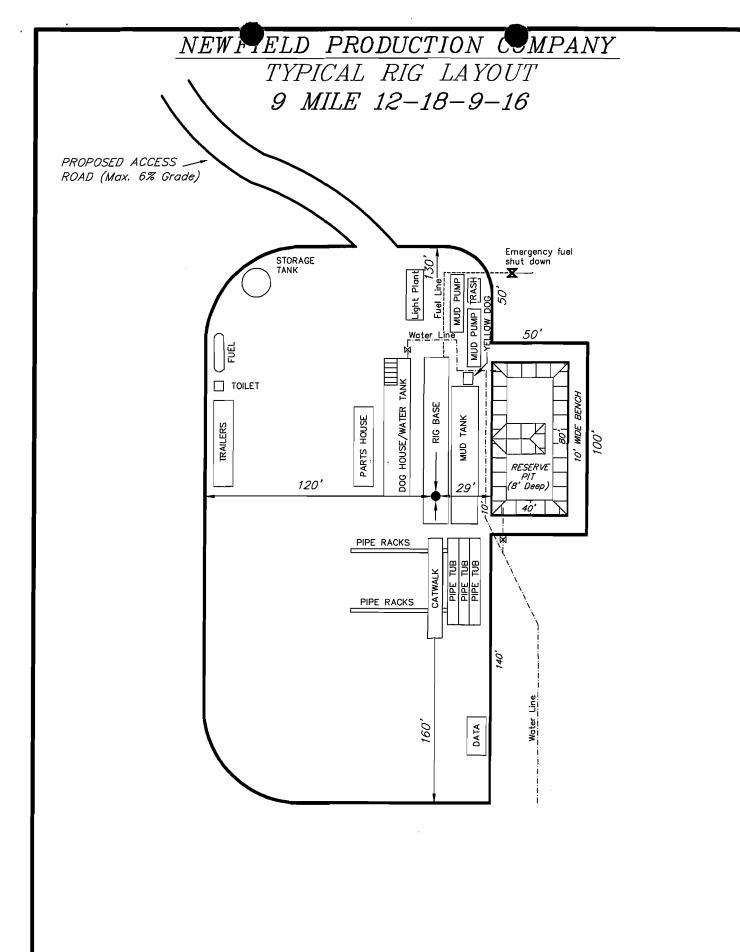
### NEW FIELD PRODUCTION COMPANY CROSS SECTIONS 9 MILE 12-18-9-16 20, II STA. 2+90 1" = 50'20, II STA. 2+22 1" = 50'**EXISTING** GRADE FINISHED GRADE 20, WELL HOLE Ш 1" = 50'STA. 1+60 20, 1" = 50'STA. 0+00 ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards) 6" TOPSOIL ITEM CUT FILL **EXCESS** Topsoil is not included PAD 3,830 3,830 NOTE: 0 UNLESS OTHERWISE NOTED PIT in Pad Cut 640 640 ALL CUT/FILL SLOPES ARE TOTALS 4,470 3,830 1,040 640 AT 1.5:1 Tri State (435) 781-. Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501 1" = 50' SCALE: SURVEYED BY: C.M.

DRAWN BY:

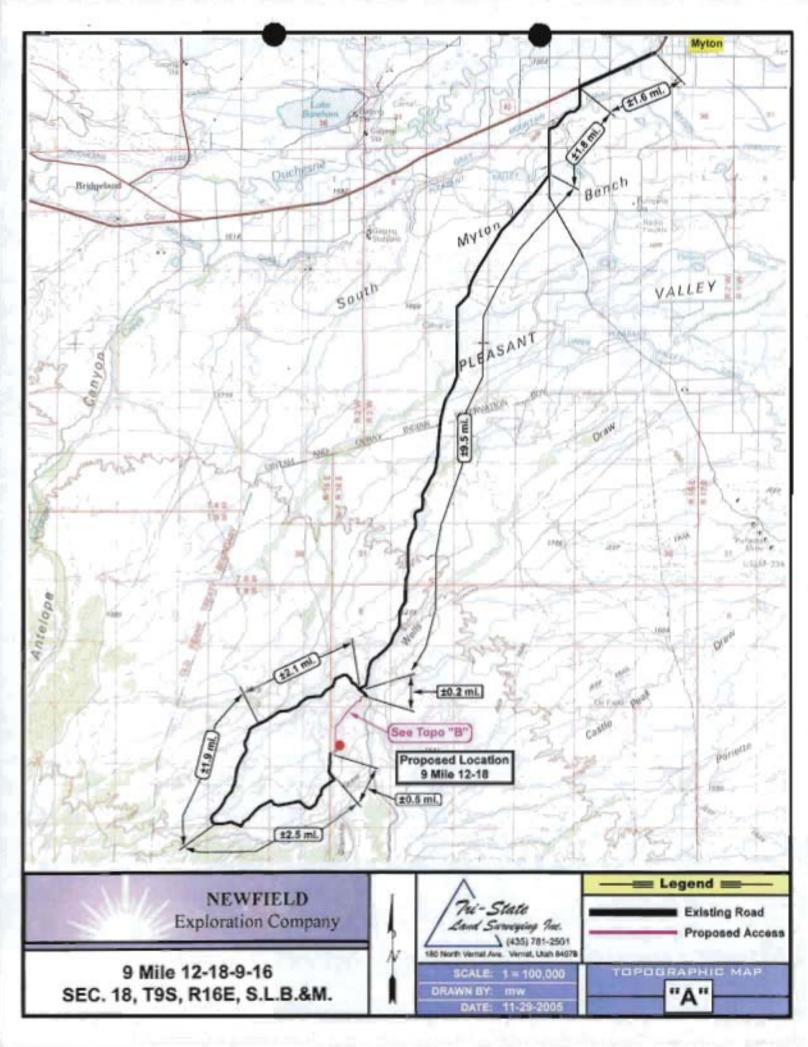
F. T.M.

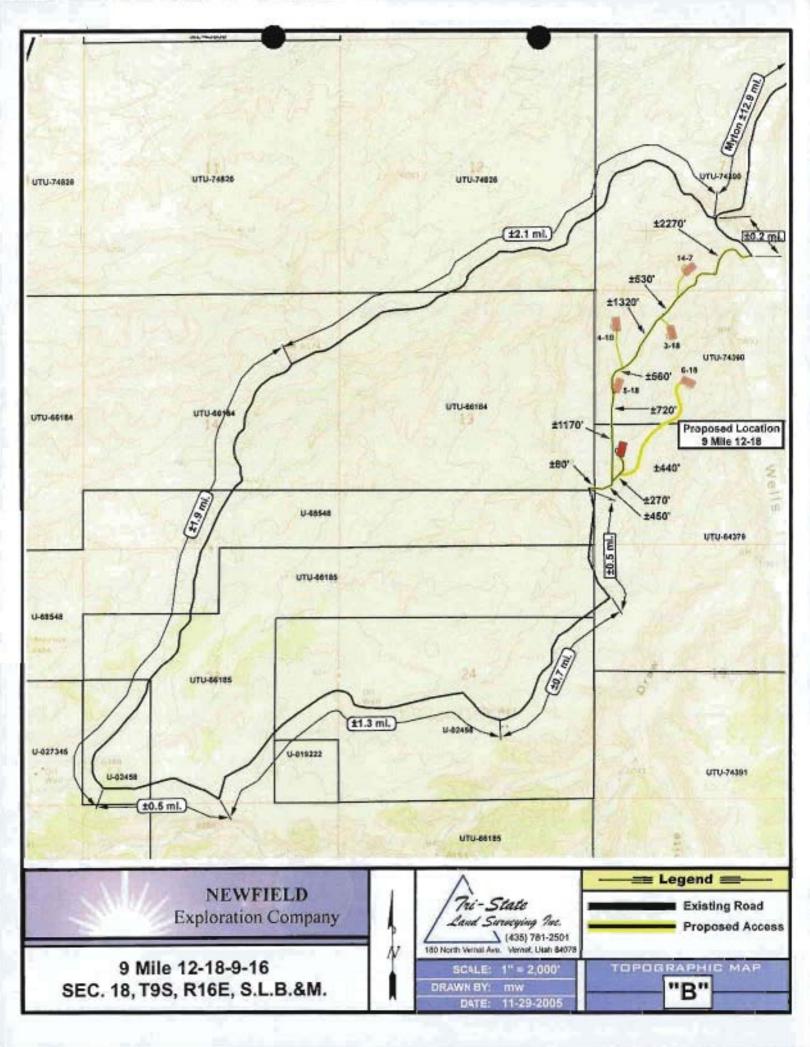
DATE:

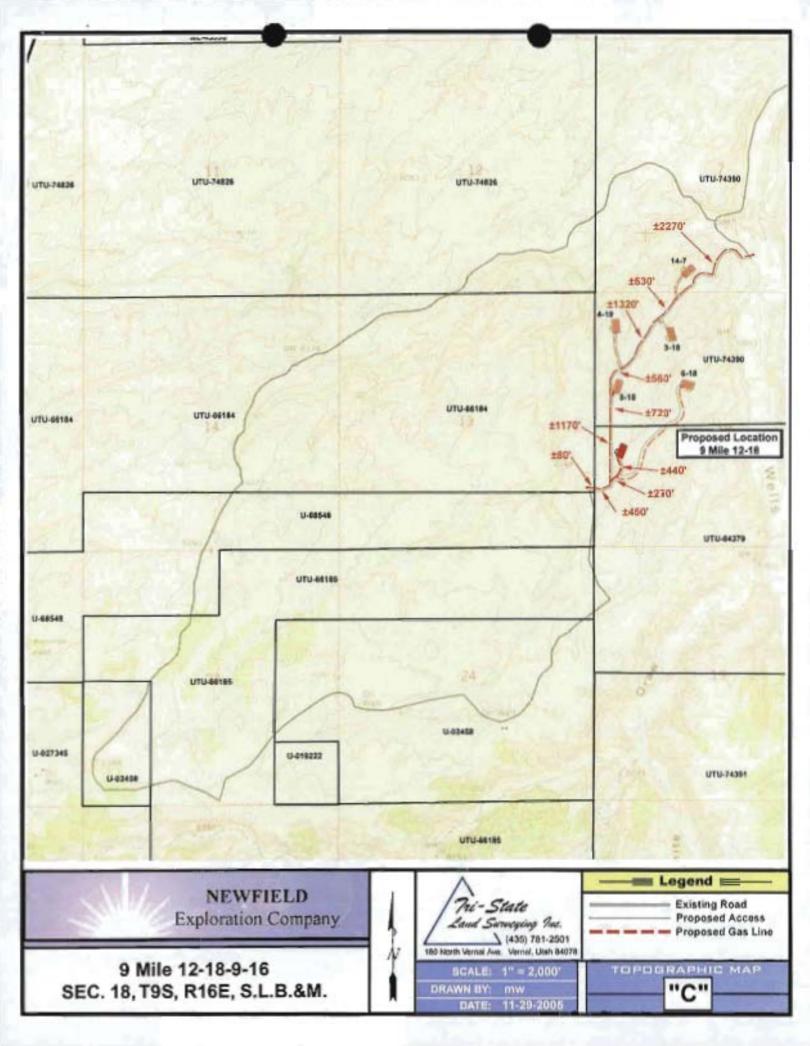
11-17-05

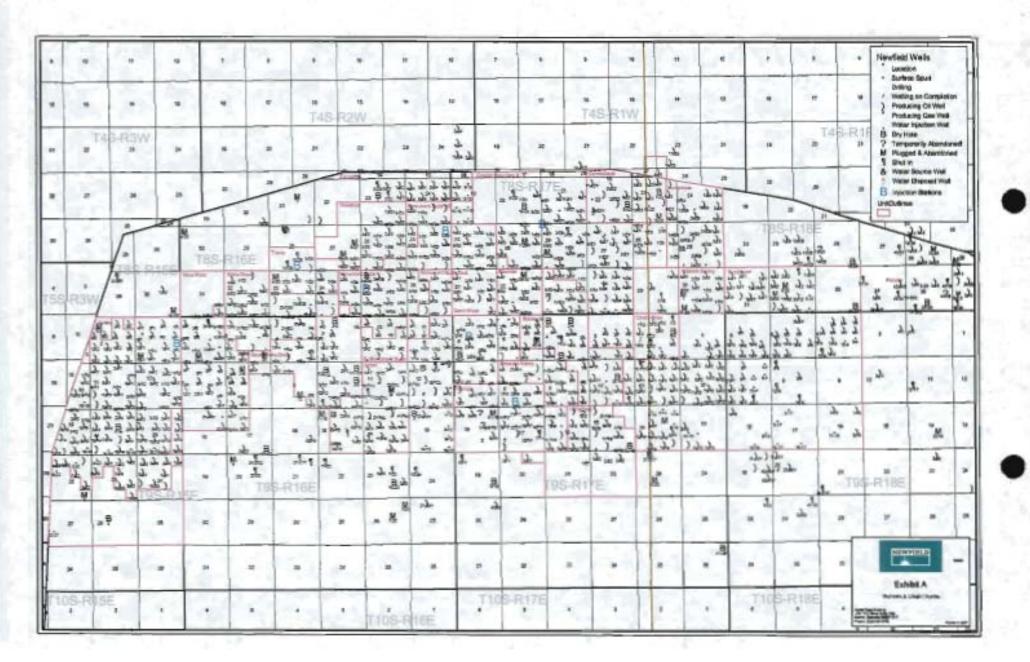


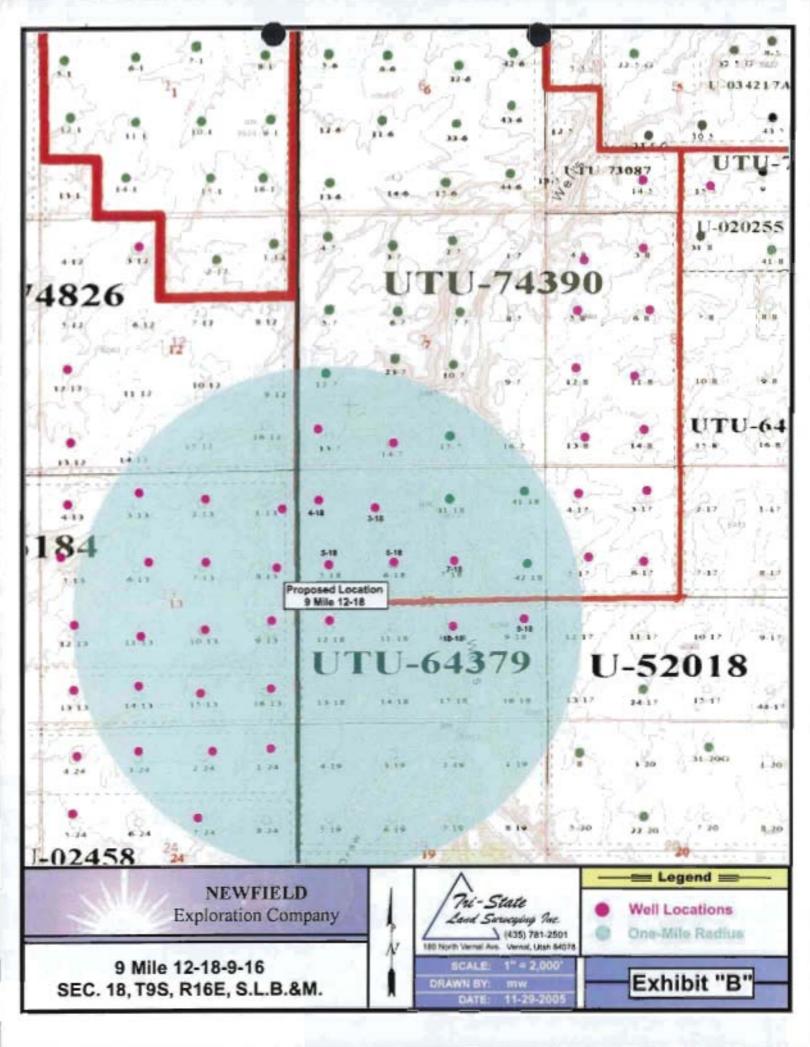
SURVEYED BY: C	C.M.	SCALE:	1" = 50'		(435) 781–2501
DRAWN BY:	F. T.M.	DATE:	11–17–05	Land Surveying, I	<i>NC.</i> NL, UTAH 84078_





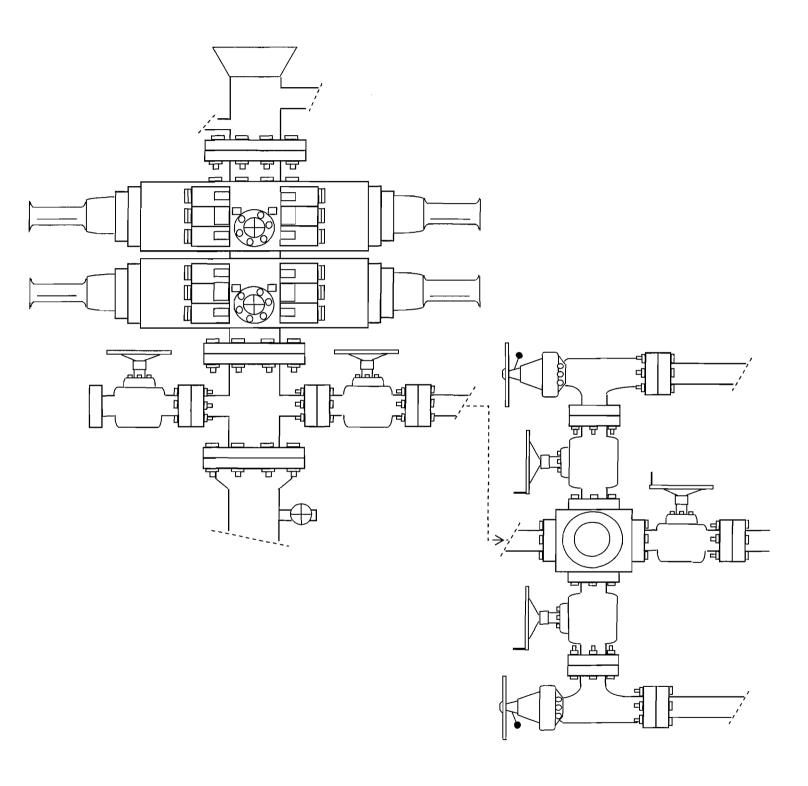






## 2-M SYSTEM

Blowout Prevention Equipment Systems



**EXHIBIT C** 

Exhibit "O"

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CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S BLOCK PARCEL IN TOWNSHIP 9S, RANGE 16E, SECTION 18, DUCHESNE COUNTY, UTAH

Ву:

Kylie Lower-Eskelson and Keith R. Montgomery

Prepared For:

Bureau fo Land Management Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company Rt. 3 Box 3630 Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc. P.O. Box 147 Moab, Utah 84532

MOAC Report No. 04-328

January 19, 2005

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-1477b

page 242

#### NEWFIELD PRODUCTION COMPANY

# PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE COUNTY, UTAH

Section 3, T 9 S, R 17 E [NE 1/4 & NW 1/4, NE 1/4 and NE 1/4, NW 1/4 & SW 1/4, NW 1/4, and NE 1/4 & NW 1/4, SE 1/4]; Section 18, T 9 S, R 16 E [excluding NE 1/4, NW 1/4, & SE 1/4, NE 1/4]; Section 15, T 9 S, R 17 E [SE 1/4/ NE 1/4]; Section 18, T 9 S, R 17 E [western half of section plus SE 1/4 & SW 1/4, SE 1/4]; Section 33, T 8 S, R 16 E [NW 1/4, NW 1/4 and SW 1/4, NE 1/4]

#### REPORT OF SURVEY

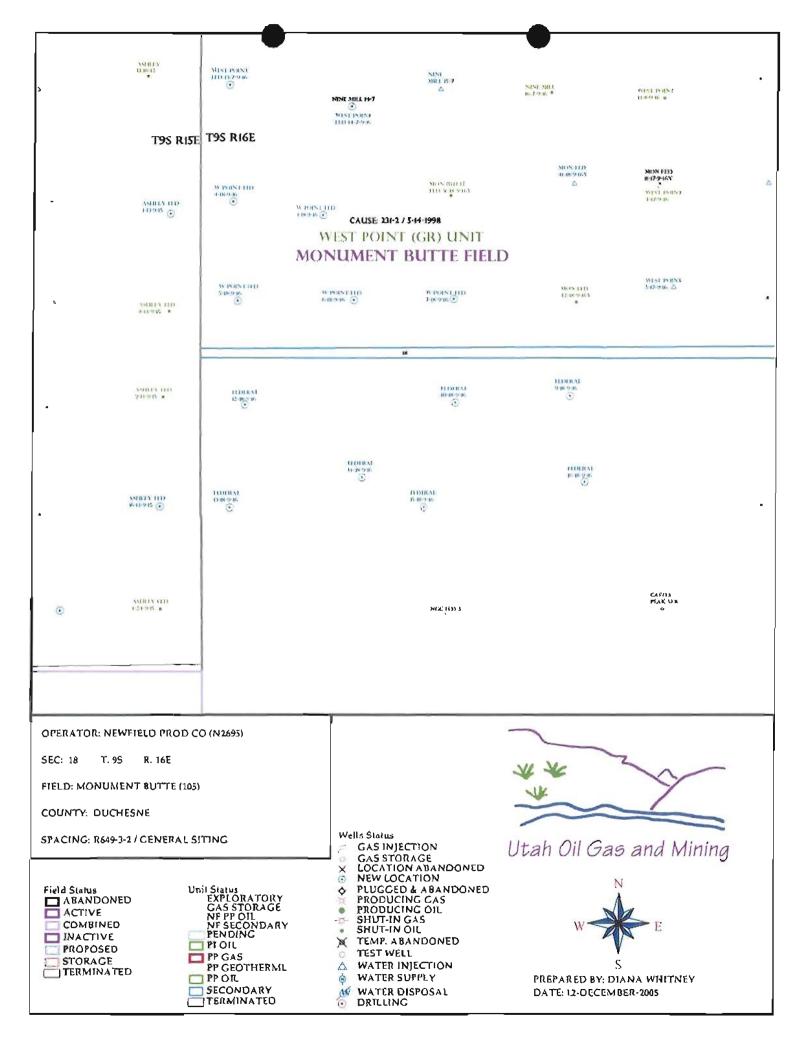
Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller Consulting Paleontologist May 11, 2005

APD RECEIVED: 12/08/2005	API NO. ASSIGNED:	43-013-3299	8
WELL NAME: FEDERAL 12-18-9-16  OPERATOR: NEWFIELD PRODUCTION ( N2695 )  CONTACT: MANDIE CROZIER	PHONE NUMBER: 435-	-646-3721	
PROPOSED LOCATION:			
NWSW 18 090S 160E	INSPECT LOCATN BY	Y: / /	-
SURFACE: 1980 FSL 0560 FWL BOTTOM: 1980 FSL 0560 FWL	Tech Review	Initials	Date
DUCHESNE	Engineering		
MONUMENT BUTTE ( 105 )	Geology	_	
LEASE TYPE: 1 - Federal	Surface		
LEASE NUMBER: UTU-64379  SURFACE OWNER: 1 - Federal  PROPOSED FORMATION: GRRV  COALBED METHANE WELL? NO	LATITUDE: 40.0291 LONGITUDE: -110.16		
Plat  Plat  Bond: Fed[1] Ind[] Sta[] Fee[]  (No. UT0056  Potash (Y/N)  Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit  (No. MUNICIPAL  NDCC Review (Y/N)  (Date:  ND Fee Surf Agreement (Y/N)  NA Intent to Commingle (Y/N)	LOCATION AND SITING  R649-2-3.  Unit  R649-3-2. General Siting: 460 From R649-3-3. Excelled E	eral  Qtr/Qtr & 920' F eption  O:	
Sop, Seperate Slav  Stipulations:  2-Spaces She	α()		





Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA

Division Director

JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

December 12, 2005

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re:

Federal 12-18-9-16 Well, 1980' FSL, 560' FWL, NW SW, Sec. 18, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32998.

Sincerely,

Gil Hunt
Associate Director

pab Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator:	Newfield Production Company					
Well Name & Number	Federal 12-18-9-	16				
API Number:	43-013-32998					
Lease:	<u>UTU-64379</u>					
Location: NW SW	<b>Sec.</b> 18	T. 9 South	<b>R.</b> 16 East			

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

FORM 3160-5 (June 1990)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

**BUREAU OF LAND MANAGEMENT** 

FORM APPROVED Budget Bureau No. 1004-0135

Expires: March 31, 1993

5.	Lease	Designa	tion a	ind S	erial	ľ

SUNDRY NOTICES AND REPORTS ON WELL
------------------------------------

SUNDRY NOTICES AN	UTU-64379	
Do not use this form for proposals to drill or to dee Use "APPLICATION F	epen or reentry a different reservoir. OR PERMIT -" for such proposals	6. If Indian, Allottee or Tribe Name NA
SUBMIT IN	I TRIPLICATE	7. If Unit or CA, Agreement Designation NA
X Oil Well Gas Well Other		8. Well Name and No.  FEDERAL 12-18-9-16  9. API Well No.
2. Name of Operator NEWFIELD PRODUCTION COMPANY		43-013-32998 10. Field and Pool, or Exploratory Area
3. Address and Telephone No.  Rt. 3 Box 3630, Myton Utah, 84052 435-6 4. Location of Well (Footage, Sec., T., R., m., or Survey Description)	646-3721	MONUMENT BUTTE  11. County or Parish, State
	on 18, T9S R16E	DUCHESNE COUNTY, UT.
12. CHECK APPROPRIATE BOX(s	TO INDICATE NATURE OF NOTICE, REPO	RT. OR OTHER DATA
TYPE OF SUBMISSION		ACTION
X Notice of Intent  Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Permit Extension	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
Newfield Production Company requeapproval date was 12/12/05 (expiration This APD has not been approved yet)	on 12/12/06).	11-30-02 11-30-02 1110-11-30-02
1	Date: 11-28-069 By: 1 - 28-069	RECEIVED  NOV 2 8 2006  DIV. OF OIL, GAS & MINING
14. I hereby certify that the foregolds is the and correct Signed Mandie Crozier	Title Regulatory Specialist	Date 11/27/2006
CC: UTAH DOGM  (This space for Federal or State office use)  Approved by  Conditions of approval, if any:	Title	Date

## Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

	43-013-32998			
Well Name: Location:	Federal 12-18-9-1 NW/SW Section 18			
		Newfield Production	Company	
•	Permit Issued:			
above, hereby	verifies that the	information as sub	I on the property as permitted in the previousloes not require revision	у
Following is a verified.	checklist of some	e items related to t	he application, which s	should be
•	rivate land, has t en updated? Yes		nged, if so, has the sur	face
		the vicinity of the p ints for this location	roposed well which wo n? Yes⊡ No ☑	ould affect
	•	er agreements put proposed well? Yes	in place that could affe □ No ☑	ect the
	•	to the access route proposed location?	e including ownership, Yes⊡ No ☑	or right-
Has the approv	ved source of wa	iter for drilling char	nged? Yes□No <b>⊠</b>	
which will requ	ire a change in p	_	face location or access as discussed at the ons	
evaluation? Ye	SLINOL			RECEIVED
Is bonding still	in place, which	covers this propose	ed well? Yes ☑ No □	NOV 2 8 2006
W/m/	1/ love	•	11/27/2006	DIV. OF OIL, GAS & MINING
Signature		<u>-</u>	Date	
Title: Regulator	y Specialist			
Representing: -	Newfield Production	on Company		

## RECEIVED

DEC 0 7 2005

## BLM VERNAL, UTAH

Form 3160-3 (September 2001)					PPROVEE 1004-013 uary 31, 20	6	
UNITED STATES		•		5. Lease Serial No.			
DEPARTMENT OF THE IN BUREAU OF LAND MANAG		· <del>-</del>		UTU-64379			
APPLICATION FOR PERMIT TO DE				6. If Indian, Allottee	or Tribe	Name	
AT LIGHT ON LIGHT 10 D.				N/A			
1a. Type of Work: DRILL REENTE	R			7. If Unit or CA Agreement, Name and No. N/A			
tb. Type of Well:	×	Single Zone 🔲 Multi	ple Zone	8. Lease Name and Well No. Federal 12-18-9-16			
Name of Operator     Newfield Production Company				AZINOZ.	379	198	
3a. Address	3b. Phon	e No. (include area code)	_	10. Field and Pool, or	Explorator	<u> </u>	
Route #3 Box 3630, Myton UT 84052	(	435) 646-3721		Monument Bu	•		
4. Location of Well (Report location clearly and in accordance with	any State r	requirements.*)		11. Sec., T., R., M., or	Blk. and :	Survey or Area	
At surface NW/SW 1980' FSL 560' FWL							
At proposed prod. zone				NW/SW Sec. 1	8, T9S F	R16E	
14. Distance in miles and direction from nearest town or post office*			12. County or Parish		13. State		
Approximatley 14.5 miles southwest of Myton, Utah				Duchesne		UT	
15. Distance from proposed* location to nearest property or lease line, ft.	16. No.	No. of Acres in lease 17. Spacir		ing Unit dedicated to this well			
(Also to nearest drig, unit line, if any) Approx. 560' f/lse, NA' f/unit	1626.36			40 Acres			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1502'	ng, completed,			BIA Bond No. on file UT0056			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Apr	roximate date work will sta	rt*	23. Estimated duration	n		
6120' GL	1s	1st Quarter 2006 Approximately seven (7) days from spud to ng release.					
	24. A	Attachments					
The following, completed in accordance with the requirements of Onsho	re Oil and	Gas Order No.1, shall be att	ached to this	s form:	_		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).</li> </ol>	Lands, the	Item 20 above). 5. Operator certific	ation. specific info	ns unless covered by an			
25. Signature	N.	ime (Printed/Typed)	#1##J.##		Date		
Whanko Wan	; N	/landie Crozier		12/6	6/05		
Title Regulatory Specialist		A A A A A A A A A A A A A A A A A A A	***************************************				
Approved by (Signature)		ame (Printed/Typed)	Date				
The House		JERRY LENCEKA 2-2-2					
Assistant Field Manager Lands & Mineral Resources	1			TELD OFFICE			
Application approval does not warrant or certify the the applicant holds looperations thereon.  Conditions of approval, if any, are attached.	egal or equ	itable title to those rights in	the subject l	lease which would entitle	the appli	eant to conduct	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations as to			d willfully t	o make to any departmen	nt or agen	cy of the United	
*(Instructions on reverse)					om orođeni		
AP AUGROUAL CONDI		ng af ad	DOM	VAL ATT	A 600 3	Maryanda Ayan Maryanda (h. )	

NOTICE OF APPROVAL CUMULIUMS OF APPROVAL ALPECTIVED

FEB 0 7 2007



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company Location: Lot 3, Sec 18, T9S, R16E

Well No: Federal 12-18-9-16 Lease No: UTU-64379

API No: 43-013- 32998 Agreement: N/A

170 South 500 East

Office: 435-781-4490 Petroleum Engineer: Matt Baker Cell: 435-828-4470 Petroleum Engineer: Michael Lee Office: 435-781-4432 Cell: 435-828-7875 Supervisory Petroleum Technician: Jamie Sparger Office: 435-781-4502 Cell: 435-828-3913 Environmental Scientist: Paul Buhler Office: 435-781-4475 Cell: 435-828-4029 **Environmental Scientist:** Karl Wright Office: 435-781-4484 Natural Resource Specialist: Holly Villa Office: 435-781-4404 Natural Resource Specialist: Melissa Hawk Office: 435-781-4476 Natural Resource Specialist: Chris Carusona Office: 435-781-4441 Natural Resource Specialist: Scott Ackerman Office: 435-781-4437 After Hours Contact Number: 435-781-4513 Fax: 435-781-4410

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

·		<del></del>
Location Construction (Notify Chris Carusona)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Chris Carusona)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for

more than ninety (90) days

### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### DRILLING AND CONSTRUCTION

- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- Prior to construction the operator must consult with the U.S. Army Corps of Engineers regarding compliance with Section 404 of the Clean Water Act.
- In accordance with the Migratory Bird Treaty Act if a nest is found the operator shall suspend all
  operations in the immediate area of such discovery until written authorization to proceed is
  issued by the authorized officer.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel shall not be allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. may be needed to control the erosion. The operator shall submit a proposal to control erosion to the BLM.
- The reserve pit shall be double lined with felt and a 12 ml or greater liner.
- No vehicle travel, construction or routine maintenance activities shall be performed during
  periods when the soil is too wet to adequately support vehicles and/or construction equipment. If
  such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to
  adequately support construction equipment.
- The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation.
   Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- Drill cuttings and mud shall remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit shall not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).
- Prevent fill and stock piles from entering drainages.
- CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATION. Any cultural and/or
  paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder,
  or any person working on his behalf, on public or Federal land shall be immediately reported to
  the authorized officer. Holder shall suspend all operations in the immediate area of such
  discovery until written authorization to proceed is issued by the authorized officer. An
  evaluation of the discovery shall be made by the authorized officer to determine appropriate
  actions to prevent the loss of significant cultural or scientific values. The holder shall be

Page 3 of 8 Well: Ute Federal 12-18-9-16 9/5/2006

responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

- The access road shall be crowned and ditched. Flat-bladed roads are NOT allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Following well plugging and abandonment, the location, access roads, pipelines, and other
  facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original
  contour; the top soil respread over the surface; and, the surface revegetated. The surface of
  approved staging areas where construction activities did not occur may require disking or
  ripping and reseeding.
- Noxious weeds and any undesirable plants, as determined by the BLM, shall be controlled by the operator. The operator shall submit a pesticide use proposal to control weeds if they develop on the location or access road.
- Trees must be removed from the location must be piled separately off location and saved for final reclamation purposes.

#### INTERIM RECLAMATION

Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the
well is completed, the topsoil shall be spread and re-contoured on the location and immediately
seeded with the seed mix below. Topsoil shall not be piled deeper than 2 feet.

Interim Reclamation Seed Mix for location:

Crested wheatgrass Agropryon cristatum

4 lbs/acre

Per Live Seed Total

4 lbs/acre

- Certified weed free seed and straw shall be used for final and interim reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.
- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit.
   When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- There shall be no primary or secondary noxious weeds in the seed mixture.
- The above listed seed mix shall be used to seed all unused portions of the pad including the
  topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is
  not successful.
- The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting
  depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the
  seed mixture shall be doubled and the area raked or chained to cover the seed. Seeding shall
  be conducted in fall.

#### COMPLETION AND PRODUCTION

• All Blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.

Page 4 of 8 Well: Ute Federal 12-18-9-16 9/5/2006

- During all road building, pad construction, drilling, well completion, producing and abandonment activities, all gasoline, diesel powered equipment used must be equipped with approved spark arresters or mufflers.
- The dikes for the production facilities will be constructed of compacted subsoil, be impervious, hold 110% the capacity of the largest tank with (one) 1 foot of freeboard and be independent of the backcut. All galvinized material used for dikes shall be painted on the inside and outside. Dikes shall be installed before production starts. Diking of the entire location will only be used as a secondary means of containment.
- Production facilities (including dikes) shall be placed on cut and a minimum of 20' from the toe
  of the backcut.
- Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic
  plants, insects, rodents, trash fish, etc., without the prior written approval of the BLM. A request
  for approval of planned uses of pesticides shall be submitted 4 months prior to the proposed
  starting date.
- No production pits shall be allowed on the location.
- Load outs shall be inside the dike. A drip barrel shall be installed under the end of the loadout line.
- All production facilities, i.e. pump, pump house, storage tanks, oil-water separator, galvanized dikes, propane tanks, etc. shall be painted with a lusterless color (see well stipulations for color specific to each well). All facilities shall be painted within twelve (12) months of installation.
- The well location shall be maintained in a clean environmentally friendly manner, using good house keeping practices.
- Equipment not being used for production shall not be stored on the well location.
- All oil and chemical barrels shall be labeled and have a spill containment device to protect soils from possible contamination.

#### ABANDONED WELL - FINAL RECLAMATION

- A sundry notice shall be submitted to the BLM prior to abandonment, a final reclamation seed mix shall be designated at the time the sundry is approved.
- The cut and fill slopes shall be recontoured to original contours. The entire disturbed area shall then be back-filled with topsoil, landscaped, seeded and fenced to exclude livestock. The fence shall remain in place. It shall be removed prior to approval of final abandonment.
- The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed onehalf inch using a seed drill. Weed free mulch shall also be applied to the planting area sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.

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9/5/2006

- When seeding Artemsia spp or shrubs broadcast seed and chain the area.
- Final reclamation shall be a stage process.
- If invasive or undesirable species are present in the area the location to be reclaimed will be sprayed with a pesticide in fall preferably October. (pesticide determined by the Vernal Field Office).
- 30 days after treatment drill seed the location with 4 lbs/acre Crested wheatgrass.
- Once the desired pioneer species has established (2 yrs +) the seeded area shall be sprayed in a mosaic pattern with the above determined pesticide.
- Reseed within 30 days with an approved native final reclamation seed mix.
- Final reclamation will be considered complete once desired plants are > 5 plants per square meter and invasive or un-desirable species are < 100 plants per square meter.
- No drilling or construction from April 1 through July 15 to protect nesting Prairie Falcons. Sage
  Grouse Lek Nest Area—No surface use is allowed within the lek nesting areas March 1 through
  June 30. All production facilities shall be painted Olive Drab. 6" and 4" surface poly gas lines.

Page 6 of 8 Well: Ute Federal 12-18-9-16 9/5/2006

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

None

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
  daily drilling report. Components shall be operated and tested as required by Onshore Oil &
  Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
  performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
  reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals shall be reported and protected. A sample shall be taken
  of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas
  shows shall be adequately tested for commercial possibilities, reported, and protected.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior
  approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30
  days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given
  before resumption of operations.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a

Page 7 of 8 Well: Ute Federal 12-18-9-16 9/5/2006

weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe
  and shall be utilized to determine the bond quality for the production casing. Submit a field copy
  of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration and all
  future meter proving schedules. A copy of the meter calibration reports shall be submitted to
  the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for
  liquid hydrocarbons and the AGA standards for natural gas measurement.

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- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
  to the BLM, Vernal Field Office within 30 days of installation or first production, whichever
  occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
  adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
  sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, should the well be successfully
  completed for production, the BLM, Vernal Field office must be notified when it is placed in a
  producing status. Such notification will be by written communication and must be received in
  this office by not later than the fifth business day following the date on which the well is placed
  on production. The notification shall provide, as a minimum, the following informational items:
  - o Operator name, address, and telephone number.
  - o Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - o Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and / or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will
  be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be
  reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major
  Events" will be reported in writing within 15 days. "Minor Events" will be reported on the
  Monthly Report of Operations and Production
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
  Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
  order that a representative may witness plugging operations. If a well is suspended or
  abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent
  Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual
  plugging of the well bore, showing location of plugs, amount of cement in each, and amount of
  casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING **ENTITY ACTION FORM -FORM 6**  OPERATOR: NEWFIELD PRODUCTION COMPANY ADDRESS: RT. 3 BQX 3630

OPERATOR ACCT. NO.

N2695

July 9, 2007

Dele

MYTON, UT 84052

ACTION	CURRENT ENTITY NO.	HEW ENTITY NO.	API NUMBER	WELL MANE	.90	- 8C	WELL	OCATION RB	COUNTY	SPUID DATE	BFFECYN/E DATE
В	99999	11880	4301332815	BELUGA FED 13-18-9-17	SWSW	18	98	17E	DUCHESNE	7/2/2007	7/23/07
WELL 1	COMMENTS:	eev								_	
ACTION	CURRENT ENTITY NO.	ENTITY NO.	API NUMBER	WELL NAME	90	SC SC	TP	ION RG	DOUNTY	SPUD DATE	BFFECTIVE DATE
A	98999	16241	4301332998	FEDERAL 12-18-9-16	NWSW	18	95	16E	DUCHESNE	7/2/2007	7/23/07
e GRRV											
ACTION	CURRENT ENTITY NO.	MEW NO.	API HUMBER	WELL NAME	003	- SC	WELL I	DCATION	COUNTY	SPUD DATE	<b>EFFECTIVE</b>
A	99999	16242	4301333144	FEDERAL 11-21-9-16	NESW	21	98	16E	DUCHESNE	7/4/2007	7/23/07
	G	RRU_									
ACTE	CURRENT	NEW.	APP NUMBER	ANETT HAME	WELLLOCATION				SPUD	EFFECTIVE	
В	99999	11880	4301332812	<b>BELUGA FED 11-18-9-17</b>	NESW	18	95	17E	DUCHESNE	7/3/2007	7/23/07
	GK	erv									<del></del>
ACTIO		HEW ENTITY NO.	APINUNGER	WELL HAME	93	sc	WELL	OCATION	COURTY	SPUD DATE	EFFECTIVE. DATE
В	99999	11880	4301332814	BELUGA FED 14-18-9-17	SESW	18	98		DUCHESNE	7/5/2007	1/23/07
S MET	ссиментв:	RRV									
ACTIO		ENTITY NO.	APINUMBER	WELL MAINE	QQ	5C	WELL (	OCATION	COUNTY	8PUD DATE	EFFECTIVE DATE
-											
MET	WELL 6 COMMENTE:										
	ACTION COURS (fine destinations on high, of forc)  A - cony onthly for poor used (cirgle uni) erty)  B - rund to useining eatily (proop or usel unit)  C - four own estating eatily (proop or usel unit)  Signalure   RECEIVED  Signalure										

NOTE: Use COMMENT section to explain any each Action Code was selected.

D - wais from one existing artily to a new only

E - ther (explain in comments section)

DIV. OF OIL, GAS & MINUTE

JUL 0 9 2007

Production Cark

FORM 3160-5 (September 2001)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
bandoned well. Use Form 3160-3 (APD) for such proposals

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

Lease Serial No.

USA UTU-64379				
	TICA	TITI	1.642	70

abandoned w	vell. Use Form 3160-3 (API	D) for such p	roposals.	6.	If Indian, Allot	tee or Tribe Name.	
	RIPLICATIO - Other has	rueitoris on a	everse sinte	7.	If Unit or CA/A	Agreement, Name an	ıd/or
1. Type of Well  Oil Well  Gas Well	Other			2	Well Name and	l No	<del></del>
2. Name of Operator					FEDERAL 12		
NEWFIELD PRODUCTION CO	OMPANY				API Well No.		
3a. Address Route 3 Box 3630 Myton, UT 84052	•		include are code	` <u> </u>	4301332998		<del> </del>
	Sec., T., R., M., or Survey Descript	435.646.372 tion)			. Field and Poo MONUMENT	l, or Exploratory Arc	ea
1980 FSL 560 FWL				<del></del>	. County or Par		
NWSW Section 18 T9S R16E					DUCHESNE, U	JT	
12. CHECK	K APPROPRIATE BOX(ES	) TO INIDIC	ATE NATU	RE OF NOT	ICE, OR OT	HER DATA	
TYPE OF SUBMISSION			TYPE OF	ACTION			
□ Notice of Intent □ Subsequent Report □ Final Abandonment	Acidize Alter Casing Casing Repair Change Plans Convert to	Deepen Fracture Tr New Const Plug & Aba Plug Back	ruction $\Box$	Production(S Reclamation Recomplete Temporarily Water Dispos	Abandon	Water Shut-O Well Integrity Other Weekly Statu	/ 
inspection.) On 10/15/07 MIRU NDSI csgn to 1,500 psi. Vernal cement & shoe. Drill a 7,1 log's TD to surface. PU 8 with 300 sks cement mixe	e filed only after all requirements, including the filed only after all equipment.  BLM field, & Roosevelt DOO 875 hole with fresh water to a TIH with Guide shoe, shoe and @ 11.0 ppg & 3.43 yld. Tople down Bop's. Drop slips	Pressure test GM office was a depth of 60 jt, float collar, he 400 sks ce	Kelly, TIW, C notifed of te 50'. Lay down 155 jt's of 5. ment mixed	Choke manifo st. PU BHA a drill string & 5 J-55, 15.5 @ 14.4 ppg	old, & Bop's to and tag ceme & BHA. Oper # csgn. Set ( & 1.24 yld. F	o 2,000 psi. Tes ent @ 275'. Drill I hole log w/ Dig @ 6029.01' / KB. eturned 34 bbls	st 8.625 out /SP/GR . Cement
				<i>i</i>			
				<i>ii</i> .		· · · · · · · · · · · · · · · · · · ·	
						RECE	IVED
						OCT A	
	· .					OCT 2	<del>1</del> 2007
						DIV. OF OIL, GA	S & MINING
I hereby certify that the foregoing is	true and	Title					
correct (Printed/ Typed)	, a ac and						
Jim Smith Signature		Drill Date	ng Foreman		water a management of the con-	· · · · · · · · · · · · · · · · · · ·	
Signature			/2007				
	KORTRIOVYRICHORES			), (19) mar(o).	ISP 1		
Approved by			Title	·	Dat		
Conditions of approval, if any, are attach certify that the applicant holds legal or ec which would entitle the applicant to cond	ed. Approval of this notice does not wa quitable title to those rights in the subject		Office				
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious and fraudulent				y to make to any	department or age	ncy of the United	

FORM 3160-5 (September 2001)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0135

OUNDE					xpires January 31,2004
SUNDR	BUREAU OF LAND MA NOTICES AND RE			5. Lease Serial	
Do not use	this form for proposal	s to drill or to re-enter a	n	USA UTU-64	
abandoned \	Well. Use Form 3160-3	(APD) for such proposa	ils.	6. If Indian, Allo	ttee or Tribe Name.
STATE STREET	BUREAU AND THEFE	Bern territory and represent	Alasti		
				7. If Unit or CA/	Agreement, Name and/or
1. Type of Well	A Control of the Cont	<u> Anna 1988 - Maria de la respectation de la mandada de</u>	skin dan		
Oil Well Gas Well	Other			8. Well Name an	d No
2. Name of Operator				FEDERAL 1	
NEWFIELD PRODUCTION C	OMPANY			9. API Well No.	
3a. Address Route 3 Box 3630		3b. Phone (include a	re code)	4301332998	
Myton, UT 84052  Location of Well (Footage.	Sec., T., R., M., or Survey Des	435.646.3721		10. Field and Poo	l, or Exploratory Area
1980 FSL 560 FWL	sec., I., K., M., or survey Des	scription)		MONUMENT	
				11. County or Par	rish, State
NWSW Section 18 T9S R16E				DUCHESNE, I	JT
12. CHECK	APPROPRIATE BOX	(ES) TO INIDICATE N	ATURE OF		
TYPE OF SUBMISSION					TIER DATA
THE OF SOURIOUS			E OF ACTIO	N'	
Notice of Intent	Acidize	Deepen Deepen	Produc	tion(Start/Resume)	☐ Water Shut-Off
	Alter Casing	Fracture Treat	Reclam	ation	☐ Well Integrity
Subsequent Report	Casing Repair	New Construction	Recom	plete	Other
Final Abandonment	Change Plans	Plug & Abandon	Tempo	rarily Abandon	Spud Notice
Tillar Abandoninient	Convert to	Plug Back	☐ Water I	Disposal	
Bond under which the work will be p of the involved operations. If the op Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/ sk yeild. Returned 7 bbls	# 21. Spud well @ 9:00 000 cement with 160 sks	ncluding reclamation, have been con  AM. Drill 315' of 12 1/4" h	val, a Form 3160 impleted, and the o iole with air r	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.) On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/	# 21. Spud well @ 9:00 000 cement with 160 sks	ncluding reclamation, have been con  AM. Drill 315' of 12 1/4" h	val, a Form 3160 impleted, and the o iole with air r	operator has determined to	hat the site is ready for final
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Final Abandonment Notices shall be inspection.) On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/sk yeild. Returned 7 bbis	# 21.Spud well @ 9:00 and the complete of the	AM. Drill 315' of 12 1/4" h	val, a Form 3160 impleted, and the o iole with air r	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.) On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/sk yeild. Returned 7 bbls	# 21.Spud well @ 9:00 and the complete of the	ncluding reclamation, have been con  AM. Drill 315' of 12 1/4" h	val, a Form 3160 impleted, and the o iole with air r	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/sk yeild. Returned 7 bbls  reby certify that the foregoing is treet (Printed/ Typed)	# 21.Spud well @ 9:00 and the complete of the	AM. Drill 315' of 12 1/4" he of class "G" w/ 3% CaCl	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.) On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/sk yeild. Returned 7 bbls	# 21.Spud well @ 9:00 and the complete of the	AM. Drill 315' of 12 1/4" h	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/ sk yeild. Returned 7 bbls  reby certify that the foregoing is treet (Printed/ Typed) ustin Crum	# 21.Spud well @ 9:00 and the complete of the	AM. Drill 315' of 12 1/4" h of class "G" w/ 3% CaCl  Title  Drilling Forema	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/ sk yeild. Returned 7 bbls  reby certify that the foregoing is treet (Printed/ Typed) ustin Crum	# 21.Spud well @ 9:00 and the complete of the	AM. Drill 315' of 12 1/4" h of class "G" w/ 3% CaCl  Title  Drilling Foreman  Date  10/14/2007	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/ sk yeild. Returned 7 bbls  reby certify that the foregoing is treet (Printed/ Typed) ustin Crum	reanon results in a multiple complified only after all requirements, if # 21. Spud well @ 9:00 to 0.00 cement with 160 sks to cement to pit. WOC.	AM. Drill 315' of 12 1/4" h of class "G" w/ 3% CaCl  Title  Drilling Foreman  Date  10/14/2007	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/sk yeild. Returned 7 bbls  reby certify that the foregoing is trect (Printed/ Typed)  justin Crum  justin Crum	reanon results in a multiple complified only after all requirements, if # 21. Spud well @ 9:00 to 0.00 cement with 160 sks to cement to pit. WOC.	AM. Drill 315' of 12 1/4" h of class "G" w/ 3% CaCl  Title  Drilling Foreman  Date  10/14/2007	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	perator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/sk yeild. Returned 7 bbls  reby certify that the foregoing is trect (Printed/ Typed)  ustin Crum  ature	# 21. Spud well @ 9:00 and the complete of the	AM. Drill 315' of 12 1/4" h of class "G" w/ 3% CaCl  Title  Drilling Foremal Date 10/14/2007	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	operator has determined to	hat the site is ready for final
Final Abandonment Notices shall be inspection.)  On 10/11/07 MIRU Ross Set @ 320 KB. On 10/12/sk yeild. Returned 7 bbls  reby certify that the foregoing is trect (Printed/ Typed)  justin Crum  justin Crum	reanon results in a multiple complified only after all requirements, i # 21. Spud well @ 9:00 a 07 cement with 160 sks a cement to pit. WOC.	AM. Drill 315' of 12 1/4" h of class "G" w/ 3% CaCl  Title  Drilling Foreman  Date 10/14/2007	val, a Form 3160 mpleted, and the d note with air r _2 + 1/4# sk	perator has determined to	hat the site is ready for final

Sta (Instructions on reverse)

OCT 1 6 2007

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3639
NYTON, UT 84052

OPERATOR ACCI. NO.

N2895

CTION	CURRENT ENTITY NO.	NEW ENTITY NO.	APINUMBER	WELLNWE				OCATION		SPUD	EFFECTIVE	
CODE	ESTITY NO.	ENTITY NO.	<del></del>		- 00	sc	TP	TRG_	COURTY	OATE	DATE	
В	99999	12418	4301332997	WEST POINT FED 6-18-9-16	SENW	18	95	16E	DUCHESNE	10/12/2007	10/17/07	
VELL 1 CC	MMENTS:	$\alpha$ . 1										
		P1 /										
	GM									-		
спом	CURRENT	NEW	API NUMBER	WELL NAME	1	WE	LL LOCAT	TON		SPUD	EFFECTIV:	
CODE	ENTITY NO.	ENTITY NO.			00	SC	TP	RG	COUNTY	DATE	DATE	
A	99999	16413	4301333083	FEDERAL 2-24-9-16	NWNE	24	98	16E	DUCHESNE	10/11/2007	10/17/07	
		110110	700100000	I LDLIVIL Z-D4-3-10	INVINE		35	LICE	DOGITEGIAL	10/1/2001	110/1401	
	( POI	)									, ,	
	GULL	/										
CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	MEIT NATIE				OCATION		SPUD DATE	<b>SFFECTIVE</b>	
WIE	ENTITY NO.	E3911) T 440.			QU	800	- पा	<b>A</b> 3	COUNTY	MAIE	<del> </del>	
_		البيارينا			i						1.1.100	
<u> </u>	99999	16414	4301333084	FEDERAL 3-24-9-16	NENW	24	95	16E	DUCHESNE	10/13/2007	10/17/07	
_												
	GRA	)]/										
	674	<i>-v</i>										
ACTION	CURRENT	NEW	API HUMBER	WELL NAME	<del></del> _		WAL	OCATION		SPUD	<b>EFFECTIVE</b>	
CODE	EWITTY NO.	ENTITY NO.	/		တ	SC	TP	RG	COUNTY	DATE	DATE	
i		<b>'</b>			l				!		10/10/20	
В	<b>9999</b> 9	12417	4301333282	LONE TREE FED 16-21-9-17	SESE	21	95	17E	DUCHESNE	10/16/2007	1 <i>011710</i> 71	
	(20)	011									/ /	
	$\mathcal{O}\mathcal{M}$											
ACTION	CURRENT	NEW	API NUMBER	WELL NAME	[		WELL	OCATION		8PVD	PFECTME	
CODE	ENTITY NO.	ENTITY NO.	/		00	8C	77*	RG	COUNTY	DATE	DATE	
_ [		[ <i>V</i> ]	l		]						inlin lon	
Α	99999	16241	4301332998	FEDERAL 12-18-9-16	NWSW	18	_95	16E	DUCHESNE	10/11/2007	10/17/07	
MELL 5 CC	skl by mistake, an entity number had been assigned before we caught my mistake											
n PP	VIOLENCE STORY		ath he near he	had been assented	no hor	<i>U</i>	P	11 361 6	f min m	(Stake	- /	
SM-	א מוכייאון שבא	e, an e	ינים ופיען יין און אין	ו אויון בני ושעש טמויו	ULIUM				i mej m	Olaties "		
HOTTON	CURRENT	NEW	API HUMBER	WELL NAME				OCATION		SPUC	EFFECTIVE	
		7			1							

ACTION CODES (See instructions on back of form)

WELL & COMMENTS:

A - 1 new early for new well (single well only)

B - rwell to existing early (group or unit well)
C - from east existing earlier to another existing entity

D- well from one existing entity to a new writty

E- that (explain in convecels section)

**RECEIVED** 

OCT 17 2007

Signature (

Jentri Park

Production Clork

10/17/07 Date

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

		<u> </u>	5 1/2"	CASING SET	AT	6029.01	<del>-</del>			
					Fit clir @	5991				
LAST CASI	NG <u>8 5/8</u>	Set @	320.05		OPERATOR	₹	Newfield I	<u> </u>	of the state of th	
DATUM _	12' KB	44 2	and the state of t	<u> </u>	WELL	Federal 12	2-18-9-16			
DATUM TO	CUT OFF C	ASING _	12'	<u></u> .	FIELD/PRO	SPECT _	Monumen	t Butte		
DATUM TO	BRADENH	EAD FLANGE		. ·	CONTRACT	TOR & RIG#	t	NDSI#1		
TD DRILLER	6050'	Loggers		6062'		_				
HOLE SIZE	7 7/8"	<del> </del>								
<del> </del>		<del></del>	<del>, ii simin</del>	water the state of						
LOG OF CA	SING STRI	NG:			· · · · · · · · · · · · · · · · · · ·					
PIECES	OD	ITEM -	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt		· · · · · · · · · · · · · · · · · · ·					1	
		Short jt	3969'/5.86'	,	<del></del>					
154	5 1/2"	ETC LT & C	casing		15.5#	J-55	8rd	Α	5976.4	
	<u> </u>	Float collar							0	
1	5 1/2"	ETC LT&C	csg		15.5#	J-55	8rd	Α	39.3	
	<u> </u>		GUIDE	shoe			8rd	· A	0.6	
CASING IN\	/ENTORY E	AL.	FEET	JTS	TOTAL LEN	GTH OF ST	RING		6031.0	
TOTAL LEN	GTH OF ST	RING	6031.01	155	LESS CUT OFF PIECE					
LESS NON	CSG. ITEMS	}	15.25		PLUS DATU	IM TO T/CU	T OFF CSG		1	
PLUS FULL	JTS. LEFT	TUC	271.46	7	CASING SET DEPTH 602					
,	TOTAL		6287.22	162	<u></u> 1					
TOTAL CSG	. DEL. (W/C	THRDS)	6287.22	162						
TIMING	· · · · · · · · · · · · · · · · · · ·		1ST STAGE	2nd STAGE		e -				
BEGIN RUN	CSG.		10/21/2007	11:30 AM	GOOD CIRC	THRU JOB	·	yes		
CSG. IN HO	LE		10/21/2007	3:00 PM	Bbis CMT C	IRC TO SUF	RFACE	25		
BEGIN CIRC		·	10/21/2007	3:15 PM	RECIPROCA	ATED PIPE	FOR	THRUST <u>RO</u>	KE NA	
BEGIN PUM	PCMT		10/21/2007	3:54 PM	DID BACK P	RES. VALV	E HOLD ? _	yes		
BEGIN DSPI	L. CMT		10/21/2007	4:47 PM	BUMPED PL	UG TO	1600		PSI	
PLUG DOWI	N		10/21/2007	5:13 PM						
CEMENT US	ED		·	CEMENT CON	/IPANY-	B. J.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
STAGE	# SX			CEMENT TYP	E & ADDITIV	ES				
1	300	Premlite II w	/ 10% gel + 3 °	% KCL, 5#'s /sk	CSE + 2# sl	k/kolseal + 1	/2#'s/sk Cello	Flake		
		mixed @ 11	0 ppg W / 3.43	cf/sk yield						
2	400	50/50 poz W	// 2% Gel + 3%	KCL, .5%EC1,	1/4# sk C.F.	2% gel. 3%	SM mixed @	14.4 ppg W/	1.24 YLD	
CENTRALIZI	ER & SCRA	TCHER PLAC	EMENT			SHOW MAK	E & SPACIN	G		
Centralizers	- Middle fi	rst, top seco	nd & third. Th	en every third	d collar for a	total of 20				
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·								

# **NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

			8 5/8	CASING SET	TAT	320.05	•				
LAST CASI	NG 8 5/8"	set @	320.05	<u>;                                    </u>	OPERATOR	₹	Newfield F	Production C	ompany		
DATUM	12' KB				WELL	Federal 13	3-18-9-16				
DATUM TO	CUT OFF C	ASING _			FIELD/PRO	SPECT	Monumen	t Butte			
DATUM TO	BRADENHE	AD FLANGE			CONTRACT	OR & RIG#		NDSI NS # 1			
TD DRILLER	315	LOGG	ER								
HOLE SIZE	12 1/4	1		<del></del>							
								·····			
LOG OF CA	SING STRIN	1G:					, , ,				
PIECES	OD	ITEM -	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH		
					<u> </u>						
		Shoe	44.31								
		WHI - 92 cs	g head				8rd	Α	0.95		
7	8 5/8"	Maverick S1			24#	J-55	8rd	Α .	309.15		
			GUIDE	shoe			8rd	Α	0.9		
CASING IN\	ENTORY B	AL.	FEET	JTS	TOTAL LEN	GTH OF STI	RING	-	310.05		
TOTAL LEN	GTH OF STI	RING	310.05	7	LESS CUT OFF PIECE						
LESS NON	CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG						
PLUS FULL	JTS. LEFT (	DUT	0		CASING SET DEPTH 32						
	TOTAL		308.2	7	<b>1</b> 1						
TOTAL CSG	. DEL. (W/O	THRDS)	308.2	7	COMPARE						
TIMING			1ST STAGE								
BEGIN RUN	CSG.	Spud	10/11/2007	9:00 AM	GOOD CIRC	THRU JOB		YES			
CSG. IN HO	LE		10/11/2007	4:00 PM	Bbls CMT CI	RC TO SUR	FACE	7			
BEGIN CIRC	<u>;                                    </u>		10/12/2007	11:28 AM	RECIPROCA	ATED PIPE F	OR		<del></del>		
BEGIN PUM	P CMT		10/12/2007	11:40 AM							
BEGIN DSPI	CMT		10/12/2007	11:53 AM	BUMPED PL	.UG TO			600		
PLUG DOW	N		10/12/2007	12:01 PM							
CEMENT US	ED		<del>,</del>	CEMENT CO	MPANY-	B. J.					
STAGE	# SX			CEMENT TYP	PE & ADDITIV	ES	<del>, ,</del>				
11	160	Class "G" w/	2% CaCL2 + 1	I/4#/sk Cello-F	lake mixed @	15.8 ppg 1.	17 cf/sk yield				
			· · · · · · · · · · · · · · · · · · ·								
CENTRALIZ	ER & SCRAT	CHER PLAC	EMENT			SHOW MAK	E & SPACIN	G			
Centralizers	- Middle fir	st, top seco	nd & third for	3							
					· · · · · · · · · · · · · · · · · · ·						

COMPANY REPRESENTATIVE	Justin Crum	DATE	10/14/2007
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FORM 3160-5 (September 2001)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM A	PPROVED
OMB No.	1004-0135
Evniras Ian	uary 31 200/

BU	REAU OF LAND MANAG	5 Lease Seri	5. Lease Serial No.					
SUNDRY N	NOTICES AND REPOR	TS ON WELLS						
Do not use this	NOTICES AND REPOR	rill or to re-enter an	6 If Indian A	llottee or Tribe Name.				
abandoned well	. Use Form 3160-3 (APD	) for such proposals	o. It indian, A	mottee of tribe reame.				
A PART OF THE PART	YEAR 多 有精心 第 日	Broken American	The second second					
	1 . 4		7. If Unit or C	A/Agreement, Name and/or				
1. Type of Well	na di kata da ana ana ana ana ana ana ana ana ana	aktika di sebagai dan dan dan kelabah dan	A CONTRACTOR OF THE CONTRACTOR					
	Other	•	8. Well Name	and No				
2. Name of Operator			<del></del>	_ 12-18-9-16				
NEWFIELD PRODUCTION COM	PANY		9. API Well N					
3a. Address Route 3 Box 3630		Bb. Phone (include are						
Myton, UT 84052		435.646.3721		Pool, or Exploratory Area				
4. Location of Well (Footage, Sec	., T., R., M., or Survey Descripti	on)	MONUME	NT BUTTE				
1980 FSL 560 FWL	,		11. County or	Parish, State				
NWSW Section 18 T9S R16E			PATCHEON	TO A TITE				
	And A	<del></del>	DUCHESN					
12. CHECK A	APPROPRIATE BOX(ES	TO INIDICATE NA	TURE OF NOTICE, OR	OTHER DATA				
TYPE OF SUBMISSION		TYP	E OF ACTION					
▼ Notice of Intent	Acidize	Deepen	Production(Start/Resume	e) Water Shut-Off				
Notice of Intern	Alter Casing	Fracture Treat	Reclamation	Well Integrity				
Subsequent Report	Casing Repair	New Construction	Recomplete	Other				
	Change Plans	Plug & Abandon	Temporarily Abandon					
Finai Abandonment	Convert to	Plug Back	Water Disposal	· -				
Formation water is produce Ashley, Monument Butte, J produced water is injected in Vlater not meeting quality capproved surface disposal	onah, and Beluga water in into approved Class II well riteria, is disposed at New	ection facilities by co s to enhance Newfiel	mpany or contract trucks. d's secondary recovery pro	Subsequently, the pject.				
		,	THE THE					
		_	poisoision of					
••		PC PC	COL DIAIS. WILLIAM	1				
		I.	reas arm only	N .				
		Oi/O	" OF CORD OF					
	is the second	-0	ia Reco					
		. ' F1	יייע.					
			,					
			The second					
I hereby certify that the foregoing is tr	ue and	Title						
correct (Frinted/Typed)	de la	Regulatory Spe	orialist					
Mandie Crozier	4	Date	znanst					
Signature	win	11/19/2007						
The second second second								
	:			_				
Approved by			<del>,,,_,,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	Date				
Conditions of approval, if any, are attached, certify that the applicant holds legal or equit								
which would entitle the applicant to conduc		Office						

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

NOV 2 1 2007

	STATE OF UTAH											
	DEPARTMENT OF NATURAL R DIVISION OF OIL, GAS AN			5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-64379								
SUNDRY	NOTICES AND REPO	ORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:								
	ll new wells, significantly deepen existing wells be al laterals. Use APPLICATION FOR PERMIT TO			7. UNIT or CA AGREEMENT NAME:								
1 TYPE OF WELL				8. WELL NAME and NUMBER:								
OIL WELL	GAS WELL OTHER			FEDERAL 12-18-9-16								
2. NAME OF OPERATOR:				9. API NUMBER:								
NEWFIELD PRODUCTION COM	PANY		T	4301332998  10. FIELD AND POOL, OR WILDCAT:								
	3. ADDRESS OF OPERATOR: PHONE NUMBER											
Route 3 Box 3630 CIT  4. LOCATION OF WELL:	ry Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE								
FOOTAGES AT SURFACE: 1980 FSL 5	60 FWL			COUNTY: DUCHESNE								
OTR/OTR. SECTION. TOWNSHIP, RANGE.	MERIDIAN: NWSW, 18, T9S, R16E			STATE: UT								
11. CHECK APPROF	PRIATE BOXES TO INDICAT	E NATURE (	OF NOTICE, REPO	ORT, OR OTHER DATA								
TYPE OF SUBMISSION		TY	PE OF ACTION									
	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION								
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE 1	TREAT	SIDETRACK TO REPAIR WELL								
Approximate date work will	CASING REPAIR	NEW CONST	RUCTION	TEMPORARITLY ABANDON								
.,	CHANGE TO PREVIOUS PLANS	OPERATOR (	CHANGE	TUBING REPAIR								
	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLAIR								
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL								
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTIO	N (START/STOP)	WATER SHUT-OFF								
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMAT	ION OF WELL SITE	X OTHER: - Weekly Status Report								
11/09/2007	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION	_								
12 DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show	all pertinent detail	s including dates denths a	volumes etc								
				olulies, etc.								
The above subject well was	s completed on 11/9/07, attached is	a daily compie	elion status report.									

(This space for State use only)

NAME (PLEASE PRINT) Tammi Lee

**RECEIVED** DEC 0 3 2007

TITLE Production Clerk

DATE 11/29/2007

# **Daily Activity Report**

Format For Sundry FEDERAL 12-18-9-16 9/1/2007 To 1/30/2008

11/2/2007 Day: 1

Completion

Rigless on 11/1/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5941' & cement top @ 133'. Perforate stage #1, LODC sds @ 5387-5400', 5320-40' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120°) w/ 4 spf for total of 132 shots. 142 bbls EWTR. SIFN.

11/7/2007 Day: 2

Completion

Rigless on 11/6/2007 - RU BJ Services. 15 psi on well. Frac LODC sds w/ 218,841#'s of 20/40 sand in 1483 bbls of Lightning 17 fluid. Broke @ 2101 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2227 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2451 psi. Leave pressure on well. 1625 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 12' perf gun. Set plug @ 5200'. Perforate A1 sds @ 5084- 96' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ Services. 1830 psi on well. Frac A1 sds w/ 45,166#'s of 20/40 sand in 448 bbls of Lightning 17 fluid. Broke @ 1895 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2174 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2509 psi. Leave pressure on well. 2073 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7' perf gun. Set plug @ 4990'. Perforate B.5 sds @ 4895- 4902' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 28 shots. RU BJ Services. 1840 psi on well. Frac B.5 sds w/ 25,406#'s of 20/40 sand in 352 bbls of Lightning 17 fluid. Broke @ 2250 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2034 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 1836 psi. Leave pressure on well. 2425 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 6' perf gun. Set plug @ 4790'. Perforate D1 sds @ 4682- 88' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. 1436 psi on well. Frac D1 sds w/ 15,540#'s of 20/40 sand in 264 bbls of Lightning 17 fluid. Broke @ 1937 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2207 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2197 psi. Leave pressure on well. 2689 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 4230'. Perforate GB2 sds @ 4128- 36' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1426 psi on well. Frac GB2 sds w/ 28,328#'s of 20/40 sand in 368 bbls of Lightning 17 fluid. Broke @ 2577 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1986 psi @ ave rate of 24.9 BPM. ISIP 2058 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 4 1/2 hrs & died. Rec 263 BTF. MIRU Western #4. SIWFN w/ 2794 BWTR.

11/8/2007 Day: 3

Completion

any day a Summary Rig Activity average and the first that the survey of the Page 2 of 2 the tree for the control of the contro

Rigless on 11/7/2007 - 220 psi. Bleed off well. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" bit (New), Bit sub & 2 7/8" J-55 tbg. Tagged sand @ 4160'. RU Nabors power swivel. Circulate sand & Drill out plugs. Sand @ 4160', Plug @ 4230' (Drilled out in 20 mins), Sand @ 4705', Plug @ 4790' (Drilled out in 15 mins), No sand, Plug @ 4990' (Drilled out in 20 mins), Sand @ 5175', Plug @ 5200' (Drilled out in 15 mins). TIH w/ tbg. Tagged fill @ 5719'. LD 3- jts of tbg. EOT @ 5632'. Circulate well clean. SIWFN w/ 2759 BWTR.

11/9/2007 Day: 4

Completion

Rigless on 11/8/2007 - 100 psi on tbg, 140 psi on csg. Bleed off well. Con't TIH w/tbg, Tagged fill @ 5719'. C/O to PBTD @ 5980'. LD 2- jts of tbg. EOT @ 5926'. RU swab equipment. IFL @ surface. Made 16 swab runs, Rec 150 BTF, FFL @ 1700', Trace of oil & no sand. PU & TIH w/tbg. Tagged fill @ 5972' C/O to PBTD @ 5980'. LD extra tbg. TOOh w/ 46 jts of tbg. EOT @ 4035'. SIWFN w/ 2624 BWTR.

11/10/2007 Day: 5

Completion

Rigless on 11/9/2007 - 20 psi on tbg, 50 psi on csg. Bleed off well. Con't TOH w/tbg. LD Bit & bit sub. TIH w/ production as follows: NC, 2-jts, SN, 2-jts, TA, 172 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 16,000#'s of tension @ 5353' W/ SN @ 5418' & EOT @ 5482'. Land tbg. NU wellhead. RU rig pump & flush tbg W/ 60 BW. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 20' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scrapered rods, 90-3/4" plain rods, 100-3/4" scrapered rods, 1-2' X 3/4" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. Tbg was full. Pressure test tbg & pump W/ unit to 800 psi. Good pump action. RDMOSU. Est 2624 BWTR. Place well on production @ 3:00 PM 11/9/2007 W/ 102" SL @ 5 SPM FINAL REPORT!!

Pertinent Files: Go to File List

RECEIVED
DEC 0 3 2007

DIV. OF GIL, GAS & MINING

## **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE\* FORM APPROVED

(See other instructions ons reverse side)

OMB NO. 1004-0137 Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

UTU-64379

TL

WELL	COMP	LETION	OR R	ECOM	<b>IPLETION</b>	<b>REPORT A</b>	ND LOG*	6. IF INDIAN		OR TRIBE NAME
TYPE OF WORK								7. UNIT AGE	REEMENT NA	
TVDE OF WELL		OIL WELL	X	GAS WELL	DRY	Other		,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		e Mile
TYPE OF WELL								9 EADM OR	IDACENTA	WE WELL NO
NEW X	WORK OVER	DEEPEN		PLUG	DIFF					IE, WELL NO.
WELL A			L. I	BACK	RESVR.	Other			-	12-18-9-16
		Ne	wfield l	Explorat	tion Company	v		9. WELL NO		3-32998
DRESS AND TELEP	PHONE NO.							10. FIELD AN	ND POOL OR	
CATION OF WE	LL (Report le	14U1 1/th	nd in acco	rdence with	Denver, CO any State requireme	) 80202 *\)				ent Butte
urface	ZZ (Report R	1980	D' FSL &	560' FWL	(NW/SW) Sec.	18, T9S, R16E		11. SEC., T., 1 OR AREA		OCK AND SURVEY
p prod. Interval rep	ported below								Sec. 18,	T9S, R16E
otal depth				14. API NO.		DATE ISSUED		10 0010		- T
шт серит					-013-32998	DATE ISSUED	2/12/06	12. COUNTY	OR PARISH Chesne	13. STATE
ATE SPUDDED	16. DATE T.I		17. DA	TE COMPL.	(Ready to prod.)	18. ELEVATIONS (	DF, RKB, RT, GR, E	TC.)*		19. ELEV. CASINGHEAD
10/11/07 DTAL DEPTH, MD &		0/20/07	717 77 7 7 7		/09/07	6120	7"	6132' K	В	
TAL DEPTH, MD &	עוא	21. PLUG BAG	JK T.D., ME	v&1VD	22. IF MULTIPI HOW MAN		23. INTERVALS DRILLED BY	ROTARY TOOLS		CABLE TOOLS
6050'			5980;			-	>	x		
ODUCING INTERV	AL(S), OF THI	S COMPLETION-	-TOP, BOTT	TOM, NAME (	(MD AND TVD)*		•			25. WAS DIRECTIONAL
				Green	River 4128	'-5400'				SURVEY MADE
										No
PE ELECTRIC AND			neatea	l Doneit	v Componer	atod Novitron	OD O=11===	Com-=+ D-==		27. WAS WELL CORED
a maaction	Guaru, S	o-, compe	noale(	DEUSIL	y, Compensa	ort all strings set in	نجر, Caliper	, Cement Bond	Log	No
CASING SIZE/C	GRADE	WEIGHT	LB./FT.		NG RECORD (Rep	HOLE SIZE		MENT, CEMENTING RE	CORD	AMOUNT DITT I DE
8-5/8" - J	J-55	24	#	1	320'	12-1/4"		with 160 sx Class		AMOUNT PULLED
5-1/2" - เ	J-55	15.	5#	(	6029'	7-7/8"		lite II and 400 sx 5		
OVER D			ER RECO				30.	TUBING RI	CORD	
SIZE	TO	P (MD)	BOTTO	OM (MD)	SACKS CEMENT	SCREEN (MD)	2-7/8"	DEPTH SET (N		PACKER SET (MD)
	+					<del></del>	Z-1/8"	EOT @ 5482'		TA @ 5353'
RFORATION REC	ORD (Interval	. size and number	)		I	32.	ACID CITOT		NITE COTTO	
	ERVAL	, око ана нашлег	,	ZE	SPF/NUMBE		ERVAL (MD)	FRACTURE, CEME		EZE, ETC. MATERIAL USED
(LODC) 5	320'-5340'	, 5387'-5400		19"	4/80	5320'-				and in 1483 bbls fluid
	(A1)	5084'-5096'		19"	4/48	5084'-				and in 448 bbls fluid
	(B.5)	4895'-4902'		19"	4/28	4895'-				and in 352 bbls fluid
	(D1)	4682'-4688'	.4	19"	4/24	4682'-				and in 264 bbls fluid
	(GB2)	4128'-4136'	.4	19"	4/32	4128'-				and in 368 bbls fluid
					PRODU	ICTION				
FIRST PRODUCTIO		PRODUCTIO	N METHOD	(Flowing, gas	s lift, pumpingsize and	type of pump)			WELL ST	ATUS (Producing or shut-in)
11/10/0						RHAC SM Plu			PI	RODUCING
OF TEST	H	OURS TESTED	СНОК	E SIZE	PROD'N. FOR C	OILBBLS.	GASMCF.	WATERBBL.		GAS-OIL RATIO
10 day av	e				>	62	82	57		1323
. TUBING PRESS.	C	ASING PRESSURI		JLATED	OIL-BBL.	GASMCF.		WATERBBL.	OIL GRAVIT	Y-API (CORR.)
			24-НО	UR RATE		1	ĺ	1	ļ	RECEIVE
SPOSITION OF GAS	(Sold, used for	fuel, vented, etc.)	Sold	& Used	for Fuel			TEST WITNE	SSED BY	DEC 17 200
IST OF ATTACHME	NTS									
nereby certify that	the foregoing	and attached :-	formation	is commisted	and compat as data	ningd from -11 11 1	1		DIA	. OF OIL, GAS & M
SIGNED VIEW	W W	340	ioimation :	is complete a	and correct as detern TITLE	nined from all availab Produ	le records uction Techi	nician	DATE	4.4/07/0007
Tammi	Lee	<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	-		11100	, , , , ,			DATE	T 1/2/1/2007
										I '

		TRUE	VERT. DEPTH																				
<b>1ARKERS</b>	TOP		MEAS. DEPTH	3658'	3884'	3988'	4243'	4502'	4540'	4651'	4882	5551	1000	2989	,7909								
38. GEOLOGIC MARKERS		NAME		Garden Gulch Mkr	Garden Gulch 1	Garden Gulch 2	Point 3 Mkr	X Mkr	Y-Mkr	Douglas Creek Mkr	BiCarbonate Mkr	D Luncstone ivin	Casto I can	Basal Carbonate	I otal Depth (LOGGERS								
SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);	DESCRIPTION, CONTENTS, ETC.			Well Name	Federal 12-18-9-16																		
ones of porosity and ed, time tool open, fl	BOTTOM					<u> </u>														<u>,</u>		 	
Show all important z	TOP			_																,			
37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);	FORMATION																						

,



Well Name: Federal 12-18-9-16 LOCATION: S18, T9S, R16E COUNTY/STATE: Duchesne

API: 43-013-32998

Spud Date: 10-11-07

TD: 6050' CSG: 10-21-07

POP: 11-9-07

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
11/9/2007	- e- t- t-			2624				POP @ 3:00 P.M. w/ 102" SL @ 5 SPM. 2624 Total water to recover
11/10/2007	16 ^	50	88	2536	0	48	5	
11/11/2007	24	0	127	2409	0	25	5	
11/12/2007	24	0	117	2292	16	48	5	
11/13/2007	24.	20	109	2183	17	10	5	
11/14/2007	24	51	82	2101	17	45	5	
11/15/2007	24	70	65	2036	27	39	5	
11/16/2007	24	68	77	1959	33	40	5	
11/17/2007	24	49	147	1812	62	44	5	
11/18/2007	24	101	90	1722	86	42	5	
11/19/2007	24	99	97	1625	86	44	5	
11/20/2007	24	25	17	1608	78	40	5	
11/21/2007	24	56	50	1558	88	40	5	
11/22/2007	24	61	49	1509	84	40	5	
11/23/2007	24	53	43	1466	86	50	5	
11/24/2007	24	63	38	1428	81	80	5	
11/25/2007	24	53	30	1398	78	78	5	, , , , , , , , , , , , , , , , , , ,
11/26/2007	24	58	35	1363	88	68	5	The state of the s
11/27/2007				1363				
11/28/2007				1363				
11/29/2007				1363				
11/30/2007				1363				
12/1/2007				1363				
12/2/2007				1363				
12/3/2007				1363				
12/4/2007				1363				
12/5/2007				1363				
12/6/2007				1363				
12/7/2007				1363				
12/8/2007				1363				
12/9/2007	1	7		1363				
12/10/2007				1363				
		877	1261		927			
	L			52711				

	STATE OF UTAH		FORM 9				
I	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379				
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: FEDERAL 12-18-9-16				
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		<b>9. API NUMBER:</b> 43013329980000				
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		ONE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FSL 0560 FWL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWSW Section:	IIP, RANGE, MERIDIAN: 18 Township: 09.0S Range: 16.0E Meridian:	: S	STATE: UTAH				
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
The subject well hinjection well on 1 State of Utah DOG above listed well. Opsig and charted for injecting during th	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF  WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show all personal been converted from a production of the converted from a production of the converted concerning the converted from the converted from a production of the converted	Accepted by the Utah Division of Oil, Gas and Mining Date: October 21, 2013					
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE					
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician					
SIGNATURE N/A		DATE 10/17/2013					

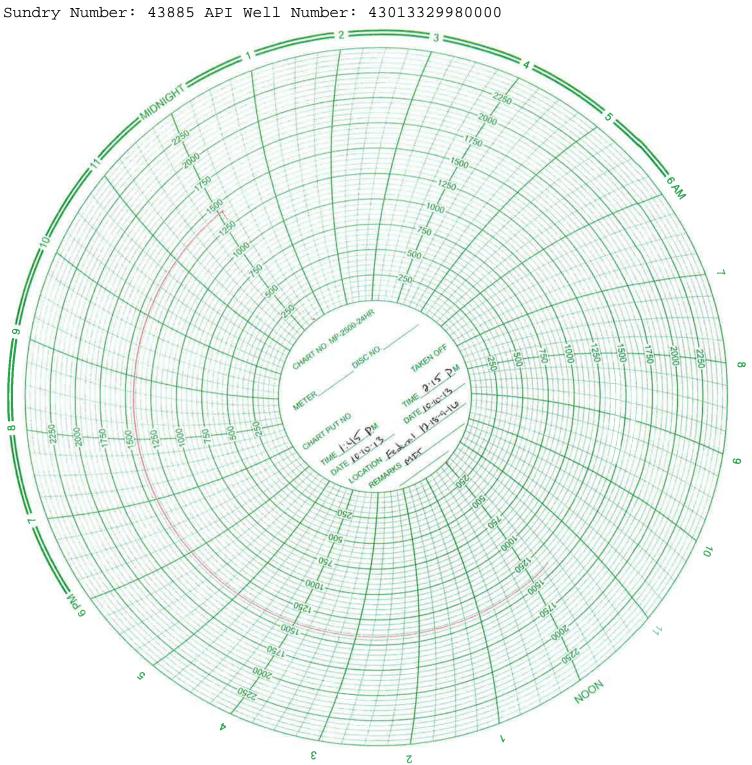
# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

Witness:	Date 10 / 10/ 13	Time 1:45 am pm
Test Conducted by:	Danse 15	
Others Present:		
Well: Federal 12-18-9-16	Field: Mon	nment Butte.
Well Location: Nw/Sw Sec.	18, T95 RILE API No: 430	1332998
Well Location: Nw/Sw Sec.	ity, Wah	

<u>Time</u>	<b>Casing Pressure</b>	
0 min	1415	psig
5	1415	psig
10	1415	psig
15	1415	psig
20	1415	psig
25	1415	psig
30 min	1415	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig
Tubing pressure:	0	_ psig
Result:	Pass	Fail

Signature of Witness:	
Signature of Person Conducting Test:	any Dank



Sundry Number: 43885 API Well Number: 43013329980000

Summary Rig Activity

Page 1 of 3

## **Daily Activity Report**

Format For Sundry FEDERAL 12-18-9-16 8/1/2013 To 12/30/2013

10/10/2013 Day: 3

Conversion

Basic # 1629 on 10/10/2013 - test casing to 1400 p.s.i. hold 100% for 30 minutes - 6:00-7:00 crew travel and safety meeting 7:00-8:00 well had no pressure loss rog down load trucks and trailers 8:00-9:00 road to location 9:00-10:00 spot rig at well rig up unload trucks and trailers 10:00-11:00 rig down horse head pump 40 bbls down casing pump 40 bbls down tubing H.I.T. 11:00-1:00 wait on trailer to lay down rods trailer was ordered for 11:00 a.m. 1:00-4:00 lay down rods on trailer 4:00-5;00 change to tubing equipment nipple down wellhead nipple up b.o.p. rig up workfloor release packer 5:00-6:00 p.o.o.h. with 20 stands breaking and doping every connection secure well s.d.f.n. 6:00-7:00 crew travel - 6:00-7:00 crew travel and safety meeting 7:00-8:00 well had no pressure loss rog down load trucks and trailers 8:00-9:00 road to location 9:00-10:00 spot rig at well rig up unload trucks and trailers 10:00-11:00 rig down horse head pump 40 bbls down casing pump 40 bbls down tubing H.I.T. 11:00-1:00 wait on trailer to lay down rods trailer was ordered for 11:00 a.m. 1:00-4:00 lay down rods on trailer 4:00-5;00 change to tubing equipment nipple down wellhead nipple up b.o.p. rig up workfloor release packer 5:00-6:00 p.o.o.h. with 20 stands breaking and doping every connection secure well s.d.f.n. 6:00-7:00 crew travel - 6:00-7:00 crew travel and safety meeting 7:00-8:00 rig down floor nipple down b.o.p. nipple up well head 8:00-9:30 wait on water that was supposed to arrive @ 7 a.m. 9:30-10:00 pump packer fluid 10:00-10:30 nipple down well head set packer 18k in tension nipple up wellhead 10:30-1:00 test casing to 1400 p.s.i. hold 100% for 30 minutes 1:00-2:00 rig down load trucks and trailers - 6:00-7:00 crew travel and safety meeting 7:00-8:00 well had no pressure loss rog down load trucks and trailers 8:00-9:00 road to location 9:00-10:00 spot rig at well rig up unload trucks and trailers 10:00-11:00 rig down horse head pump 40 bbls down casing pump 40 bbls down tubing H.I.T. 11:00-1:00 wait on trailer to lay down rods trailer was ordered for 11:00 a.m. 1:00-4:00 lay down rods on trailer 4:00-5;00 change to tubing equipment nipple down wellhead nipple up b.o.p. rig up workfloor release packer 5:00-6:00 p.o.o.h. with 20 stands breaking and doping every connection secure well s.d.f.n. 6:00-7:00 crew travel - 6:00-7;00 crew travel and safety meeting 7:00-11:00 p.o.o.h. breaking and doping 66 stands total loay down remaining tubing locate hole @ 5130 joint number 171 lay down TAC and old PSN 11:00-4:30 pick up packer r.i.h. with tubing testing every 10 stands to 3500 p.s.i. locate 9 collar leaks final test on tubing to 3000 p.s.i. hold 100% for 30 minutes 4:30-6:30 rig up sand line r.i.h.started stacking out at 200' had to pump 100 bbls 250 degree water down casing and work fishing tool down to PSN retrieve standing valve rig down lubricator secure well s.d.f.n. 6:30-7:30 crew travel - 6:00-7;00 crew travel and safety meeting 7:00-11:00 p.o.o.h. breaking and doping 66 stands total loay down remaining tubing locate hole @ 5130 joint number 171 lay down TAC and old PSN 11:00-4:30 pick up packer r.i.h. with tubing testing every 10 stands to 3500 p.s.i. locate 9 collar leaks final test on tubing to 3000 p.s.i. hold 100% for 30 minutes 4:30-6:30 rig up sand line r.i.h.started stacking out at 200' had to pump 100 bbls 250 degree water down casing and work fishing tool down to PSN retrieve standing valve rig down lubricator secure well s.d.f.n. 6:30-7:30 crew travel - 6:00-7;00 crew travel and safety meeting 7:00-11:00 p.o.o.h. breaking and doping 66 stands total loay down remaining tubing locate hole @ 5130 joint number 171 lay down TAC and old PSN 11:00-4:30 pick up packer r.i.h. with tubing testing every 10 stands to 3500 p.s.i. locate 9 collar leaks final test on tubing to 3000 p.s.i. hold 100% for 30 minutes 4:30-6:30 rig up sand line r.i.h.started stacking out at 200' had to pump 100 bbls 250 degree water down casing and work fishing tool down to PSN retrieve standing valve rig down lubricator secure well s.d.f.n. 6:30-7:30 crew travel - 6:00-7:00 crew travel and safety meeting 7:00-8:00 rig down floor nipple down b.o.p. nipple up well head 8:00-9:30 wait on water that was supposed to arrive @ 7 a.m. 9:30-10:00 pump packer fluid 10:00-10:30 nipple down well head set packer 18k in tension

nipple up wellhead 10:30-1:00 test casing to 1400 p.s.i. hold 100% for 30 minutes 1:00-2:00 rig down load trucks and trailers - 6:00-7:00 crew travel and safety meeting 7:00-8:00 rig down floor nipple down b.o.p. nipple up well head 8:00-9:30 wait on water that was supposed to arrive @ 7 a.m. 9:30-10:00 pump packer fluid 10:00-10:30 nipple down well head set packer 18k in tension nipple up wellhead 10:30-1:00 test casing to 1400 p.s.i. hold 100% for 30 minutes 1:00-2:00 rig down load trucks and trailers - 6:00-7:00 crew travel and safety meeting 7:00-8:00 rig down floor nipple down b.o.p. nipple up well head 8:00-9:30 wait on water that was supposed to arrive @ 7 a.m. 9:30-10:00 pump packer fluid 10:00-10:30 nipple down well head set packer 18k in tension nipple up wellhead 10:30-1:00 test casing to 1400 p.s.i. hold 100% for 30 minutes 1:00-2:00 rig down load trucks and trailers - 6:00-7:00 crew travel and safety meeting 7:00-8:00 well had no pressure loss rog down load trucks and trailers 8:00-9:00 road to location 9:00-10:00 spot rig at well rig up unload trucks and trailers 10:00-11:00 rig down horse head pump 40 bbls down casing pump 40 bbls down tubing H.I.T. 11:00-1:00 wait on trailer to lay down rods trailer was ordered for 11:00 a.m. 1:00-4:00 lay down rods on trailer 4:00-5;00 change to tubing equipment nipple down wellhead nipple up b.o.p. rig up workfloor release packer 5:00-6:00 p.o.o.h. with 20 stands breaking and doping every connection secure well s.d.f.n. 6:00-7:00 crew travel - 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Summary Rig Activity
Page 3 of 3

packer fluid 10:00-10:30 nipple down well head set packer 18k in tension nipple up wellhead 10:30-1:00 test casing to 1400 p.s.i. hold 100% for 30 minutes 1:00-2:00 rig down load trucks and trailers **Finalized** 

Daily Cost: \$0

**Cumulative Cost:** \$31,634

## 10/14/2013 Day: 4

Conversion

Rigless on 10/14/2013 - Conduct initial MIT - On 10/09/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/10/2013 the casing was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 10/09/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/10/2013 the casing was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

Finalized
Daily Cost: \$0

Cumulative Cost: \$63,846

**Pertinent Files: Go to File List** 

#### Spud Date: 10-11-07 Federal 12-18-9-16

Put on Production: 11-9-07 GL: 6120' KB: 6132'

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (309') HOLE SIZE:12-1/4" DEPTH LANDED: 320\_05' CEMENT DATA: 160 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 155 jts. (6015') Includes Shoe Jt. (39.35')

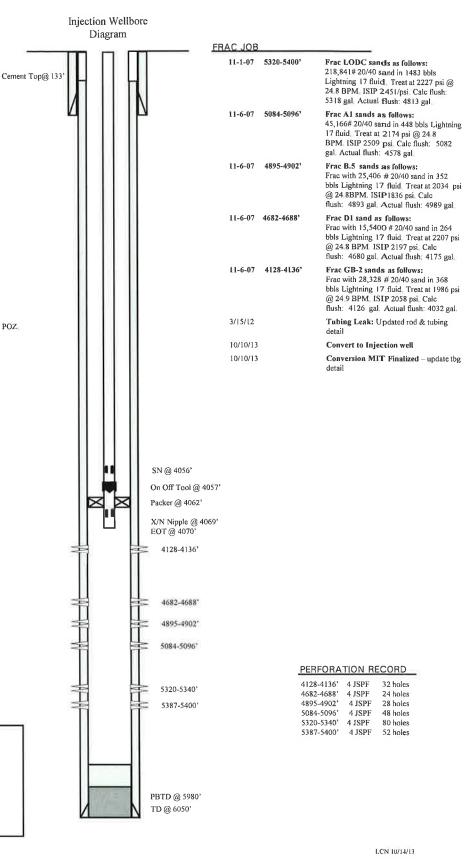
HOLE SIZE: 7-7/8" DEPTH LANDED: 6029' CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ

CEMENT TOP AT: 133'

#### <u>TUBI</u>NG

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 131 jts (4049.9') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4055.9' KB ON/OFF TOOL AT: 4057' ARROW #1 PACKER CE AT: 4061.9° TBG PUP 2-3/8 J-55 AT: 4064.9' X/N NIPPLE AT 4069 1'

TOTAL STRING LENGTH: EOT @ 4070.13'





Federal 12-18-9-16 1980' FSL & 560' FWL NWSW Section 18-T9S-R16E Duchesne Co, Utah API #43-013-32998; Lease #UTU-64379 32 holes

24 holes

28 holes

48 holes

80 holes

STATE OF UTAH					FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379			
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)				
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: FEDERAL 12-18-9-16			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY			<b>9. API NUMBER:</b> 43013329980000			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,	3. ADDRESS OF OPERATOR: PHONE NUMBER: Rt 3 Box 3630 , Myton, UT, 84052 435 646-4825 Ext			9. FIELD and POOL or WILDCAT: MONUMENT BUTTE		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FSL 0560 FWL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 18 Township: 09.0S Range: 16.0E Meridian: S				STATE: UTAH		
11. CHECH	K APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPOR	RT, OR O	THER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION			
	ACIDIZE		LTER CASING		CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	□ c	HANGE TUBING		CHANGE WELL NAME	
Approximate date work will start:	✓ CHANGE WELL STATUS	□ с	OMMINGLE PRODUCING FORMATIONS	1	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	RACTURE TREAT		NEW CONSTRUCTION	
11/22/2013	OPERATOR CHANGE	Пр	LUG AND ABANDON		PLUG BACK	
	PRODUCTION START OR RESUME		ECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:						
	REPERFORATE CURRENT FORMATION		IDETRACK TO REPAIR WELL		TEMPORARY ABANDON	
DRILLING REPORT	L TUBING REPAIR	□ v	ENT OR FLARE		WATER DISPOSAL	
Report Date:	WATER SHUTOFF	∟ s	I TA STATUS EXTENSION	Ш	APD EXTENSION	
	WILDCAT WELL DETERMINATION	□ o	THER	OTHE	R:	
l .	COMPLETED OPERATIONS. Clearly show	-		lepths, vol	umes, etc.	
The above refe	erence well was put on inject 11/22/2013.	ction	at 9:45 AM on	c	Accepted by the Utah Division of Oil, Gas and Mining	
					December 30, 2013	
				Date:	December 30, 2013	
				Ву:_	Dody	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	<b>PHONE NUM</b> 435 646-4874	BER	TITLE Water Services Technician			
SIGNATURE N/A			DATE 11/25/2013			



## **Newfield Exploration Company**

1001 17th Street | Suite 2000 Denver, Colorado 80202 PH 303-893-0102 | FAX 303-893-0103

June 4, 2013

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well

Federal #12-18-9-16

Monument Butte Field, Lease #UTU-64379

Section 18-Township 9S-Range 16E

Duchesne County, Utah

RECEIVED

JUN 0 5 2013

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #12-18-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg

**Environmental Manager** 

# NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL FEDERAL #12-18-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

**LEASE #UTU-64379** 

**JUNE 4, 2013** 

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## STATE OF UTAH DIVISION OF OIL, GAS AND MINING

**OPERATOR** 

**ADDRESS** 

#### APPLICATION FOR INJECTION WELL - UIC FORM 1

Newfield Production Company

1001 17th Street, Suite 2000 Denver, Colorado 80202

Well Name and number: <u>Federal</u>	#12-18-9-16						
Field or Unit name: Monument Butte (Gre	en River)				Lease No.	UTU-6437	9
Well Location: QQ <u>NWSW</u> sectio	n <u>18</u>	_ township	98	_range	16E	county	Duchesne
Is this application for expansion of an exist	ing project?.			Yes [X]	No[]		
Will the proposed well be used for:	Disposal?	Recovery?		Yes[]	No [ X ]		
Is this application for a new well to be drilled if this application is for an existing well,	ed?			Yes [ ] 1	No [ X ]		
has a casing test been performed on the Date of test:  API number: 43-013-32998	well?			Yes[]	No [ X ]		
Proposed injection interval: from	3987	to	5980				

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

Attachments "A" through "H-1"

500 bpd pressure

I certify that this report is true and complete to the best of my knowledge.

rate

Proposed injection zone contains [x ] oil, [ ] gas, and/or [ ] fresh water within 1/2

Name:

Eric Sundberg

Signature

Title

**Environmental Manager** 

Date

Phone No.

(303) 893-0102

(State use only)

Application approved by

Proposed maximum injection:

List of Attachments:

mile of the well.

Title

1804

psig

Approval Date

Comments:

## Federal 12-18-9-16

Spud Date: 10-11-07 Put on Production: 11-9-07 GL: 6120' KB: 6132'

# Proposed Injection

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (309') HOLE SIZE:12-1/4" DEPTH LANDED: 320.05'

CEMENT DATA: 160 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH; 155 jts. (6015') Includes Shoe Jt. (39.35')

HOLE SIZE: 7-7/8" DEPTH LANDED: 6029'

CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 133'

#### **TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 172 jts (5341.4')
TUBING ANCHOR: 5353.4'
NO. OF JOINTS: 2 jts (62.6')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5418.8' KB
NO. OF JOINTS: 2 jts (62.2')
TOTAL STRING LENGTH: EOT @ 5483'

#### Wellbore Diagram FRAC JOB Frac LODC sands as follows: 11-1-07 5320-5400 218,841# 20/40 sand in 1483 bbls Cement Top@ 133 Lightning 17 fluid. Treat at 2227 psi @ 24.8 BPM. ISIP 2451/psi. Calc flush: 5318 gal. Actual flush: 4813 gal. 11-6-07 5084-5096 Frac A1 sands as follows: 45,166# 20/40 sand in 448 bbls Lightning 17 fluid. Treat at 2174 psi @ 24.8 BPM, ISIP 2509 psi. Calc flush: 5082 gal. Actual flush: 4578 gal. 11-6-07 4895-4902' Frac B.5 sands as follows: Frac with 25,406 # 20/40 sand in 352 bbls Lightning 17 fluid. Treat at 2034 psi @ 24.8BPM. ISIP1836 psi. Calc flush: 4893 gal. Actual flush: 4989 gal. 11-6-07 4682-4688 Frac D1 sand as follows: Frac with 15,5400 # 20/40 sand in 264 bbls Lightning 17 fluid. Treat at 2207 psi @ 24.8 BPM. ISIP 2197 psi. Calc flush: 4680 gal. Actual flush: 4175 gal. Frac GB-2 sands as follows: 11-6-07 4128-4136' Frac with 28,328 # 20/40 sand in 368 bbls Lightning 17 fluid. Treat at 1986 psi @ 24.9 BPM. ISIP 2058 psi. Calc flush: 4126 gal. Actual flush: 4032 gal. Tubing Leak: Updated rod & tubing 3/15/12

Packer @ 4078'
4128-4136'
4682-4688'
4895-4902'
5084-5096'

5320-5340'

5387-5400'

PBTD @ 5980'

TD @ 6050'

PERFORATION RECORD

4128-4136' 4 JSPF 32 holes 4682-4688' 4 JSPF 24 holes 4895-4902' 4 JSPF 28 holes 5084-5096' 4 JSPF 48 holes 5320-5340' 4 JSPF 80 holes 5387-5400' 4 JSPF 52 holes



Federal 12-18-9-16 1980' FSL & 560' FWL NWSW Section 18-T9S-R16E Duchesne Co, Utah API #43-013-32998; Lease #UTU-64379

## WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

# REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
  - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17<sup>th</sup> Street, Suite 2000 Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #12-18-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #12-18-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3987' - 5980'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3657' and the TD is at 6050'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #12-18-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-64379) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

# REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 324' KB, and 5-1/2", 15.5# casing run from surface to 5882' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

#### The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1804 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #12-18-9-16, for existing perforations (3967' - 5013') calculates at 0.81 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1804 psig. We may add additional perforations between 3657' and 6050'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #12-18-9-16, the proposed injection zone (3987' - 5980') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-17.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

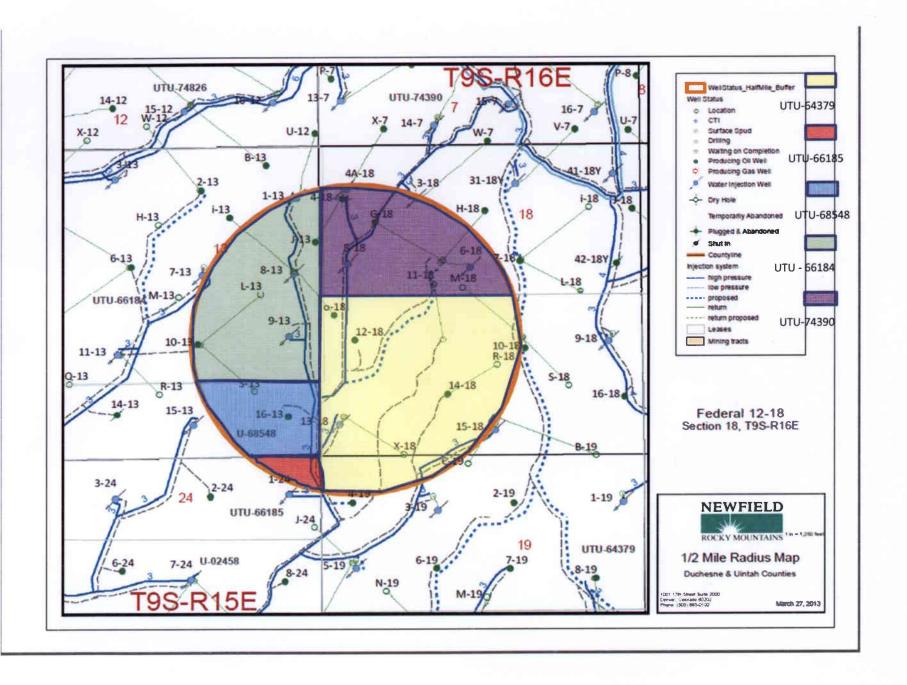
2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

# ATTACHMENT A



#### T9S, R16E, S.L.B.&M. NEWFIELD PRODUCTION COMPANY S89\*56'E - 78.00 (G.L.O.) 2646.20' (Measured) WELL LOCATION, 9 MILE 12-18-9-16. S89°41'19"E - 2509.12' (Meas.) S89\*56'E G.L.O. (Basis of Bearings) LOCATED AS SHOWN IN THE NW 1/4 SW 1910 1/4 OF SECTION 18, T9S, R16E, Brass Cap Brass Cap Brass Cap S.L.B.&M. DUCHESNE COUNTY, UTAH. LOT 1 NORTH (G.L.O.) S.) NO075'57"E BAR SCALE WELL LOCATION: 9 MILE 12-18-9-16 LOT 2 ELEV. UNGRADED GROUND = 6119.8' 1910 Brass Cap N00.00N Brass Cap LOT 3 560' 57 THIS IS TO CERTIFY THAT OHE ABOVE PENT PREPARED FROM FIELD NOT SUPPRESSION THE SAME ARE TRUE AND CORRECT TO THE MY KNOWLEDGE AND FELIES.No.189377 DRILLING MNDOW 100"14"03"E STACY W. LOT 4 1910 Brass Cap Brass Cap S89'42'06"E - 2535.11' (Meas.) S89°38'49"E - 2608.82' (Meas.) 1910 TRI STATE LAND SURVEYING & CONSULTING Brass Cap S89\*55'E - 78.31 (G.L.O.) 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-25019 MILE 12-18-9-16 DATE SURVEYED: = SECTION CORNERS LOCATED SURVEYED BY: C.M. (Surface Location) NAD 83 11-15-05 LATITUDE = 40° 01' 44.88" DATE DRAWN: DRAWN BY: F.T.M. BASIS OF ELEV: 11-22-05 LONG/TUDE = 110° 10' 08.72 U.S.G.S. 7-1/2 min QUAD (MYTON SW) REVISED: SCALE: 1" = 1000'

# **EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
2	T9S-R15E SLM Section 22: E2SW, LOTS 2, 3, 4 Section 23: NENE, W2E2, S2NW, E2SW Section 24: N2N2 Section 25: All Section 26: NE, NENW, S2NW, S2 Section 27: S2NE, E2NW, SE, LOTS 1, 2	USA UTU-66185 HBP	Newfield Production Company Newfield RMI LLC	USA
3	T9S-R15E SLM Section 13: S2S2 Section 14: S2S2 Section 15: NE, E2NW, LOT 4 Section 22: NE, E2NW, LOT 1 Section 23: N2NW	USA UTU-68548 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R15E SLM Section 13: N2, N2S2 Section 14: N2, N2S2 Section 15: E2, Lots 1-3	USA UTU-66184 HBP	Newfield Production Company Newfield RMI LLC	USA

Federal 12-18 Page1 of 2 5 T9S-R16E SLM USA Newfield Production Company Section 6: All UTU-74390 Newfield RMI LLC Section 7: All HBP ABO Petroleum Corp Section 8: W2 MYCO Industries Inc Section 17: NW OXY Y-1 Corp Section 18: NE, E2NW, LOTS 1, 2 Yates Petroleum Corp

Federal 12-18 Page2 of 2

USA

#### ATTACHMENT C

#### CERTIFICATION FOR SURFACE OWNER NOTIFICATION

My Commission Expires Feb. 25, 2017

CANDICE L. KOWALSKI

My Commission Expires Feb. 25, 2017

My Commission Expires:

# ATTACHMENT E

# Federal 12-18-9-16

Spud Date: 10-11-07 Put on Production: 11-9-07 GL: 6120' KB: 6132'

API #43-013-32998; Lease #UTU-64379

#### Wellbore Diagram

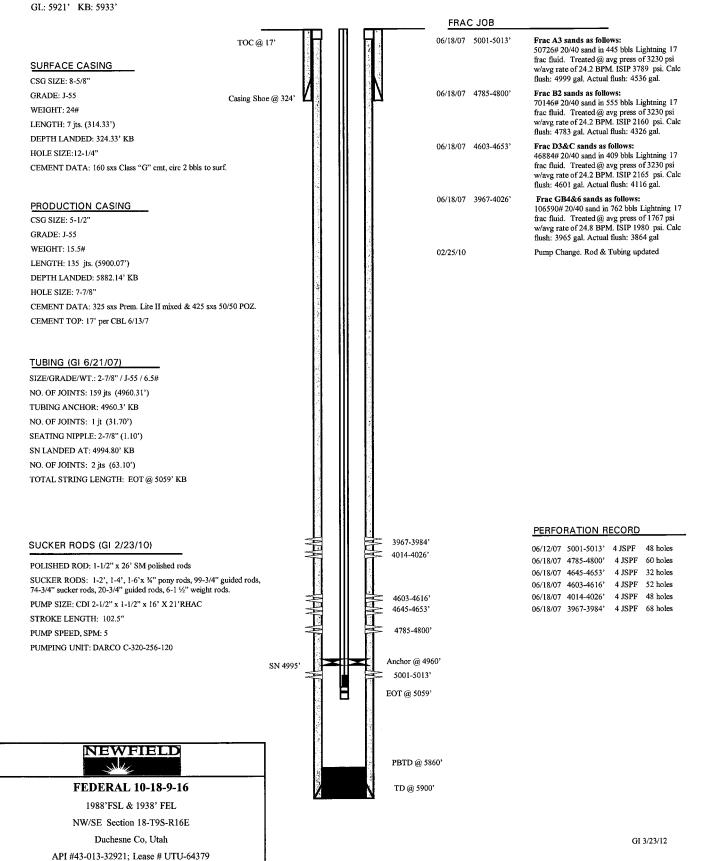
#### FRAC JOB SURFACE CASING Frac LODC sands as follows: CSG SIZE: 8-5/8" 11-1-07 5320-5400 218,841# 20/40 sand in 1483 bbls GRADE: J-55 Cement Top@ 133 Lightning 17 fluid. Treat at 2227 psi @ 24.8 BPM. ISIP 2451/psi. Calc flush: WEIGHT: 24# 5318 gal. Actual flush: 4813 gal. LENGTH: 7 jts. (309') HOLE SIZE: 12-1/4" 11-6-07 5084-5096 Frac A1 sands as follows: DEPTH LANDED: 320.05' 45,166# 20/40 sand in 448 bbls Lightning 17 fluid. Treat at 2174 psi @ 24.8 BPM. ISIP 2509 psi. Calc flush: 5082 gal. Actual flush: 4578 gal. CEMENT DATA: 160 sxs Class "G" cmt Frac B.5 sands as follows: 11-6-07 4895-49023 Frac with 25,406 # 20/40 sand in 352 bbls Lightning 17 fluid. Treat at 2034 psi @ 24.8BPM. ISIP1836 psi. Calc PRODUCTION CASING flush: 4893 gal. Actual flush: 4989 gal. CSG SIZE: 5-1/2" GRADE: J-55 11-6-07 4682-4688 Frac D1 sand as follows: Frac with 15,5400 # 20/40 sand in 264 WEIGHT: 15.5# bbls Lightning 17 fluid. Treat at 2207 psi LENGTH: 155 jts. (6015') Includes Shoe Jt. (39.35') @ 24.8 BPM. ISIP 2197 psi. Calc HOLE SIZE: 7-7/8" flush: 4680 gal. Actual flush: 4175 gal. DEPTH LANDED: 6029' CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ. Frac GB-2 sands as follows: 11-6-07 4128-4136' Frac with 28,328 # 20/40 sand in 368 bbls Lightning 17 fluid. Treat at 1986 psi @ 24.9 BPM. ISIP 2058 psi. Calc CEMENT TOP AT: 133 flush: 4126 gal. Actual flush: 4032 gal. 3/15/12 Tubing Leak: Updated rod & tubing SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 172 jts (5341.4') TUBING ANCHOR: 5353.4' NO. OF JOINTS: 2 its (62.6') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5418.8' KB NO. OF JOINTS: 2 jts (62.2') TOTAL STRING LENGTH: EOT @ 5483' SUCKER RODS POLISHED ROD: 1-1/2" x 26' 4128-4136 SUCKER RODS: 1-2', 1-4', 1-8 x 3/4" pony rod, 99-3/4" guided rods, 90-3/4" sucker rods, 20-3/4" guided rods, 6-1" weight rods 4682-4688 PUMP SIZE: 2-1/2" x 1-1/2" x 16'X 20' RHAC pump w/SM plunger STROKE LENGTH: 102" 4895-4902 PUMP SPEED, SPM: 5 5084-5096 PERFORATION RECORD 4128-4136' 4 JSPF 32 holes 5320-5340' 4682-4688' 4 JSPF 24 holes Anchor @ 5353' 5387-5400' 4895-4902' 28 holes 5084-5096' 4 JSPF 48 holes SN @ 5418' 5320-5340' 4 JSPF 80 holes EOT @ 5483' 5387-5400' 4 JSPF **NEWFIELD** PBTD @ 5980' TD @ 6050' Federal 12-18-9-16 1980' FSL & 560' FWL NWSW Section 18-T9S-R16E Duchesne Co, Utah



# FEDERAL 10-18-9-16

Spud Date: 05/18/07 Put on Production: 6/21/07

Wellbore Diagram



# ATTACHMENT E-2

## FEDERAL 13-18-9-16

Spud Date: 10/04/07 Put on Production: 11/02/07 GL: 6126' KB: 6138'

> 674'FSL & 364' FWL SW/SW Section 18-T9S-R16E Duchesne Co, Utah

API #43-013-32999; Lease # UTU-64379

#### Injection Wellbore Diagram

#### SURFACE CASING FRAC\_JOB CSG SIZE: 8-5/8" 10/30/07 5697-5704 Frac CP3 sands as follows: Cement Top 106 GRADE: J-55 14620# 20/40 sand in 297 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 24.8 BPM. ISIP 1650 psi. Calc WEIGHT: 24# LENGTH: 7 jts. (312.56') flush: 5695 gal. Actual flush: 5191 gal. Casing Shoe @ 323' DEPTH LANDED: 323.46' KB 10/30/07 5476-5485 Frac LODC sands as follows: 14860# 20/40 sand in 283 bbl Lightning 17 HOLE SIZE:12-1/4' frac fluid. Treated @ avg press of 2275 psi w/avg rate of 24.8 BPM. ISIP 2160 psi. Calc flush: 5474 gal. Actual flush: 4969 gal. CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf. Frac LODC sands as follows: 10/30/07 5264-5276 84724# 20/40 sand in 672 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 24.8 BPM. ISIP 2205 psi. Calc flush: 5262 gal. Actual flush: 4759 gal. 10/30/07 4906-4911 Frac B2 sands as follows: PRODUCTION CASING 19569# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 2260 psi w/avg rate of 24.8 BPM. ISIP 1845 psi. Calc CSG SIZE: 5-1/2" GRADE: J-55 flush: 4904 gal. Actual flush: 4402 gal. WEIGHT: 15.5# Frac D3 sands as follows: 10/30/07 4715-47213 LENGTH: 154 jts. (5971.92') 24711# 20/40 sand in 342 bbls Lightning 17 frac fluid. Treated@ avg press of 1960 psi w/avg rate of 24.8 BPM. ISIP 1890 psi. Calc DEPTH LANDED: 5985.17' KB HOLE SIZE: 7-7/8" flush: 4713 gal. Actual flush: 4250 gal. Frac D1 sands as follows: CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. 10/30/07 4629-46343 17447# 20/40 sand in 270 bbls Lightning 17 CEMENT TOP: 1067 frac fluid. Treated@ avg press of 2298 psi w/avg rate of 24.8 BPM. ISIP 2150 psi. Calc flush: 4627 gal. Actual flush: 4536 gal. 12/15/10 Tubing Leak. Rod & tubing updated. TUBING 8/29/11 Tubing Leak. Rod & tubing detail updated. SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 04/11/12 Convert to Injection Well NO. OF JOINTS: 148 jts (4577.3') 04/17/12 Conversion MIT Finalized - update tbg detail SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4589.3' KB CE @ 4581.62' Packer @ 4582' TOTAL STRING LENGTH: EOT @ 4598' KB EOT @ 4598' 4629-4634' 4715-4721 4906-4911' PERFORATION RECORD 10/25/07 5697-5704' 4 JSPF 28 holes 5264-5276 10/30/07 5476-5485' 4 JSPF 36 holes 10/30/07 5264-5276' 4 JSPF 48 holes 10/30/07 4906-4911' 4 JSPF 20 holes 5476-5485 10/30/07 4715-4721' 4 JSPF 24 holes 10/30/07 4629-4634' 4 JSPF 20 holes 5697-5704 NEWFIELD PBTD @ 5945' FEDERAL 13-18-9-16 TD @ 6005'

### ATTACHMENT E-3

#### FEDERAL 14-18-9-16

Spud Date: 09/17/07 Put on Production: 10/26/07

API #43-013-33000; Lease # UTU-64379

GL: 6117' KB: 6129'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING FRAC JOB CSG SIZE; 8-5/8" 10/17/07 5308-5330' Frac LODC sands as follows: 100563# 20/40 sand in 746 bbls Lightning 17 GRADE: J-55 Cement Top @ 114 frac fluid. Treated@ avg press of 1698 psi WEIGHT: 24# w/avg rate of 23 BPM. ISIP 2105 psi. Calc flush: 5306 gal. Actual flush: 4796 gal. LENGTH: 7 jts. (309.62') 10/17/07 5146-5155 Frac A3 sands as follows: DEPTH LANDED: 321.47' KB 60790# 20/40 sand in 549 bbl Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated@ avg press of 2146 psi w/avg rate of 23 BPM. ISIP 2344 psi. Calc CEMENT DATA:1- 160, sxs Class "G" cmt, est 7 bbls cmt to surf. flush: 5144 gal. Actual flush: 2344 gal. 10/17/07 4878-4941' Frac B2 &B.5 sands as follows: 24732# 20/40 sand in 353 bbls Lightning 17 frac fluid. Treated@ avg press of 2039 psi w/avg rate of 23 BPM. ISIP 1949 psi. Calc flush: 4876 gal. Actual flush: 4389 gal. 10/17/07 4790-4806 Frac C sands as follows: PRODUCTION CASING 95455# 20/40 sand in 728 bbls Lightning 17 frac fluid. Treated@ avg press of 1858 psi CSG SIZE: 5-1/2" w/avg rate of 23 BPM. ISIP 1858 psi. Calc GRADE: J-55 flush: 4788 gal. Actual flush: 4305 gal WEIGHT: 15.5# 10/17/07 4660-4716' Frac D1 & D2 sands as follows: LENGTH: 155 jts. (5943.54') 70174# 20/40 sand in 571 bbls Lightning 17 frac fluid. Treated @ avg press of 2111 psi w/avg rate of 23 BPM. ISIP 2427 psi. Calc DEPTH LANDED: 5956.79' KB HOLE SIZE: 7-7/8" flush: 4658 gal. Actual flush: 4154 gal CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. 10/17/07 4128-4140' Frac GB4 sands as follows: 88281#20/40 sand in 658 bbls Lightning 17 CEMENT TOP: 114' frac fluid. Treated@ avg press of 1695 psi w/avg rate of 23 BPM. ISIP 1814 psi. Calc flush: 4126 gal. Actual flush: 4032 gal. 6/28/08 Hole in tubing. Rod & tubing updated. **TUBING** 11/07/10 Pump change. Rod & Tubing updated SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 7/13/2011 Tubing leak. Rod & tubing updated. NO. OF JOINTS: 169 its (5256.4') TUBING ANCHOR: 5268.4' KB NO. OF JOINTS: 2 jts (60.80') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5332.0' KB NO. OF JOINTS: 2 jts (61.60') TOTAL STRING LENGTH: EOT @ 5396.' KB PERFORATION RECORD SUCKER RODS 4128-41403 10/15/07 5308-5330' 4 JSPF 88 holes 10/17/07 5146-5155' 4 JSPF 36 holes POLISHED ROD: 1-1/2" x 26' SM polished rods 10/17/07 4937-49413 4 JSPF 16 holes SUCKER RODS: 1-2' x ¾" pony rods, 100-3/4" = 2500' guided rods, 50-3/4"= 1250' guided rods, 56-3/4" = 1400' guided rods, 6-1 ½"= 150' sinker 4660-4666 10/17/07 4878-4785 4 JSPF 28 holes rods. 10/17/07 4790-4806' 4 JSPF 64 holes 4708-4716 10/17/07 4708-4716' 4 JSPF 32 holes PUMP SIZE: CDI 2-1/2" x 1-1/4" x 14' x 18' 'RHAC 4790-4806' 10/17/07 4660-4666' 4 JSPF 24 holes STROKE LENGTH: 102" 4878-4785 10/17/07 4128-4140' 4 ISPF 48 holes PUMP SPEED, 5 SPM: 4937-4941' 5146-5155' Anchor @ 52683 5308-5330' SN 5332' EOT @ 5396' NEWFIELD PBTD @ 5917' FEDERAL 14-18-9-16 TD @ 5975' 1040'FSL & 2047' FWL SE/SW Section 18-T9S-R16E Duchesne Co, Utah

#### FEDERAL 15-18-9-16

Spud Date: 09/18/07 Put on Production: 10/16/07

SW/SE Section 18-T9S-R16E

Duchesne Co, Utah

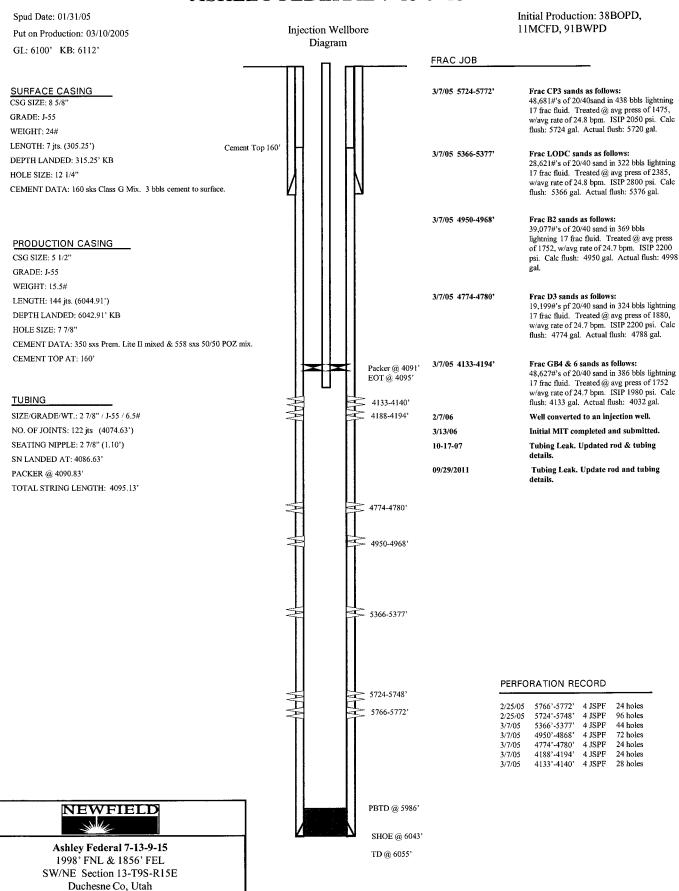
API #43-013-33001; Lease # UTU-64379

GL: 6049' KB: 6061'

#### Injection Wellbore Diagram

#### SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 10/11/07 5649-56583 Frac CP3 sands as follows: Cement Top @ 30' 15067# 20/40 sand in 290 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 24.8 BPM, ISIP 1805 psi. Calc WEIGHT: 24# flush: 5647 gal. Actual flush: 5166 gal. LENGTH: 7 jts. (312.36') Casing Shoe @ 324' 10/11/07 5236-5272 Frac LODC sands as follows: DEPTH LANDED: 324,21' KB 159885# 20/40 sand in 1115 bbl Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 1955 psi w/avg rate of 24.8 BPM. ISIP 2340 psi. Calc flush: 5234 gal. Actual flush: 4746 gal. CEMENT DATA: 1-160, 2-300 sxs Class "G" cmt, est 7 bbls cmt to surf. 10/11/07 4976-4985 Frac A1 sands as follows: 34607# 20/40 sand in 423 bbls Lightning 17 frac fluid. Treated @ avg press of 2543 psi w/avg rate of 29.9 BPM. ISIP 3582 psi. Calc flush: 4974 gal. Actual flush: 4494 gal. PRODUCTION CASING 10/11/07 4828-4837' Frac B1 sands as follows: 15082# 20/40 sand in 267 bbls Lightning 17 CSG SIZE: 5-1/2" frac fluid. Treated @ avg press of 2075 psi w/avg rate of 24.8 BPM. ISIP 1935 psi. Calc GRADE: J-55 flush: 4826 gal. Actual flush: 4326 gal. WEIGHT: 15.5# 10/11/07 4584-45983 Frac D1 sands as follows: LENGTH: 154 its. (5986.37') 47763# 20/40 sand in 455 bbls Lightning 17 DEPTH LANDED: 5999.62' KB frac fluid. Treated @ avg press of 1975 psi w/avg rate of 24.8 BPM. ISIP 2078 psi. Calc HOLE SIZE: 7-7/8" flush: 4582 gal. Actual flush: 4491 gal. CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. 12-31-07 Pump Change. Updated rod & tubing details. CEMENT TOP: 30' Convert to Injection Well 10/22/12 Conversion MIT Finalized - update tbg 10/23/12 TUBING SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# TUBING 1 jt 2-7/8" N-80 (31.2') TBG SUB 2-7/8 N-80 (6.2') TBG SUB 2-7/8 J-55 (6.2') NO. OF JOINTS: 146 jts (4492.9') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4548.6' KB ON/OFF TOOL AT: 4549.73 SN @ 4549' ARROW #1 PACKER CF AT: 4554 413 XO 2-3/8 x 2-7/8 J-55 AT: 4558.1' On Off Tool @ 4550' TBG SUB 2-3/8 J-55 AT: 4558.63 Packer 45543 PERFORATION RECORD X/N NIPPLE AT: 4564.8' X/N Nipple @ 4565' 10/11/07 4584-4598\* TOTAL STRING LENGTH: EOT @ 4566' EOT @ 4566 10/11/07 4828-4837 4 JSPF 36 holes 4584-4598 10/11/07 4976-4985' 4 JSPF 36 holes 10/11/07 5236-5272' 4 JSPF 144 holes 10/11/07 5649-5658' 4 JSPF 36 holes 4828-4837 4976-4985 5236-5272' 5649-56583 **NEWFIELD** PBTD @ 5959' SHOE @ 6000' **BELUGA FEDERAL 15-18-9-16** TD @ 6020\* 657'FSL & 2350' FEL

#### ASHLEY FEDERAL 7-13-9-15



API #43-013-32461; Lease #UTU-66184

### ATTACHMENT E-6

Spud Date: 6-2-05

#### Ashley Federal 8-13-9-15

Put on Production: 7-29-05 GL: 6070' KB: 6082'

SE/NE Section 13-T9S-R15E

Duchesne Co, Utah

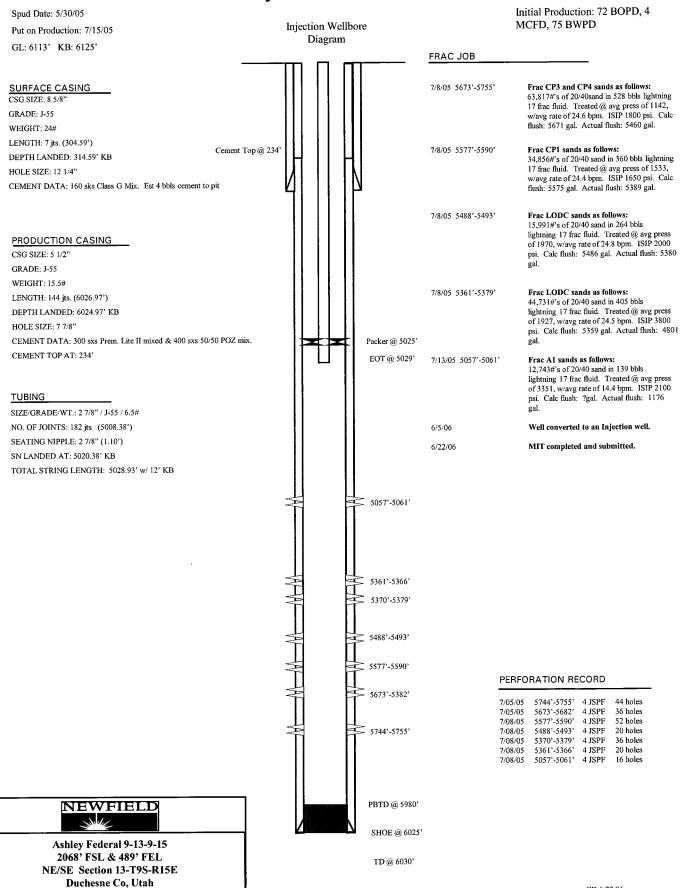
API #43-013-32460; Lease #UTU-66184

#### Injection Wellbore Diagram

#### SURFACE CASING FRAC JOB Frac CP3, CP4 &CP5 sands as follows: 7-25-05 5680-5880 CSG SIZE: 8-5/8" 78974# 20/40 sand in 609 bbls Lightning 17 GRADE: J-55 frac fluid. Treated@ avg press of 1453 psi Cement top @260' WEIGHT: 24# w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 5677 gal. Actual flush: 5712 gal. LENGTH: 7 jts. (301.93') Casing shoe @ 314' Frac CP1 & LODC sands as follows: 7-25-05 5503-5578 DEPTH LANDED:313.78' KB 58898# 20/40 sand in 493 bbls Lightning 17 frac fluid. Treated@ avg press of 1474 psi HOLE SIZE:12-1/4" w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf. flush: 5501 gal. Actual flush: 5502 gal. Frac LODC sands as follows: 7-25-05 5196-5206 38665# 20/40 sand in 387 bbls Lightning 17 frac fluid. Treated@ avg press of 2606 psi w/avg rate of 24.5 BPM. ISIP 2700 psi. Calc flush: 5194 gal. Actual flush: 5250 gal. PRODUCTION CASING Frac A1 sands as follows: 7-25-05 5072-5086' CSG SIZE: 5-1/2" 58776# 20/40 sand in 485 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 1731 psi w/avg rate of 24.7 BPM. ISIP 2200 psi. Calc WEIGHT: 15.5# flush: 5069 gal. Actual flush: 5124 gal. LENGTH: 142 jts. (6032.98') 4694-4925' Frac B .5, D3 & D1 sands as follows: DEPTH LANDED: 6032.23' KB 68044# 20/40 sand in 540 bbls Lightning 17 frac fluid. Treated @ avg press of 1890 psi HOLE SIZE: 7-7/8" w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. flush: 4692 gal. Actual flush: 4620 gal. CEMENT TOP AT: 260' Pump change. Updated rod & tubing details. 8/2/07 11-8-07 Tubing Leak. Updated rod & tubing details. 08/20/08 Major Workover. Rod & tubing updated. 1/27/09 Tubing Leak. Updated r & t detail. Tubing Leak. Updated rod & tubing details. **TUBING** 8/20/09 Parted rods. Updated rod and tubing details. 3/06/2010 SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# Parted rods. Updated rod and tubing details. 05/14/2010 NO. OF JOINTS: 149 its (4661.1') 1/26/2011 Parted rods. Update rod and tubing details. SEATING NIPPLE: 2-7/8" (1.10') Parted Rods. Rod & tubing updated. 05/02/11 SN LANDED AT: 4673.1' 2/29/12 Convert to Injection Well CE (3.10) @ 4677.283 3/2/12 Conversion MIT Finalized - update tbg TOTAL STRING LENGTH: EOT @ 4682' Packer @ 4677 EOT @ 4682' 4694-4700 4760-4768 PERFORATION RECORD 4922-4925 7-20-05 5875-5880' 4 JSPF 20 holes 5760-5767' 4 JSPF 28 holes 7-20-05 5072-5086' 7-20-05 5680-56933 4 JSPF 52 holes 5196-5206 16 holes 7-25-05 5574-5578' 4 JSPF 44 holes 4 JSPF 7-25-05 5503-5514' 7-25-05 5196-5206' 4 JSPF 40 holes 64 holes 4 JSPF 7-25-05 5072-5086 5503-5514' 7-25-05 4922-4925' 4 JSPF 12 holes 4760-4768' 4 JSPF 32 holes 7-25-05 5574-5578' 7-25-05 4694-4700' 4 JSPF 24 holes 5680-56933 5760-5767 5875-5880 PBTD @ 5988' NEWFIELD SHOE @ 6032' TD @ 6035' Ashley Federal 8-13-9-15 2107' FNL & 338' FEL

## ATTACHMENT E-7

#### Ashley Federal 9-13-9-15



API #43-013-32459; Lease #UTU-66184

### Ashley Federal 10-13-9-15

Spud Date: 2/3/2005 Put on Production: 03/4/2005

Wellbore Diagram GL: 6115' KB: 6127'

Initial Production: BOPD, MCFD, BWPD

GL: 0115 KB: 0127				<u>FI</u>	RAC JOB	
SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 Ca	asing Shoe @ 311			02/28/0	5 5852-5922'	Frac BS & CP5 sands as follows: 64,491#20/40 sand in 526 bbls Lightning 17 frac fluid. Treated @ avg press. of 1928 w/ avg rate of 24.6 bpm. ISIP 2180. Cale flush: 5850 gal. Actual flush: 5880 gal.
WEIGHT: 24# LENGTH: 7 jts. (301') DEPTH LANDED: (311') HOLE SIZE:12-1/4"	Cement top @ 4	150'		03/01/0	5 5680-5724'	Frac CP3 sands as follows: 69,786# 20/40 sand in 558 bbls Lightning 17 frac fluid. Treated @ avg press. of 1682 w/ avg rate of 24.5 bpm. ISIP 2100. Calc flush: 5678 gal. Actual flush: 5712 ga
CEMENT DATA: 160 sxs class "G", 3 bbls cmt to surface.				03/01/0	5 5463-5564'	Frac CP1 & LODC sands as follows: 94,982# 20/40 sand in 698 bbls Lightning 17 frac fluid. Treated @ avg press. of 1742 w/ avg rate of 24.8 bpm. ISIP 2230. Calc flush: 5461 gal. Actual flush: 5502gal
PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55				03/01/0	5 5322-5333'	Frac LODC sands as follows: 59,881# 20/40 sand in 491 bbls lightning 17 frac fluid. Treated @ avg press. of 2170 w/ avg rate of 24.8bpm ISIP 2430. Calc flush: 5320 gal. Actual Flush: 5334 ga
WEIGHT: 15.5# LENGTH: 143 jts. (6025.2') DEPTH LANDED: (6023.2') HOLE SIZE: 7-7/8"				03/01/0	5 5196-5221'	Frac LODC sands as follows: 29,366# 20/40 sand in 332 bbls lightning 17 frac fluid. Treated @ avg press. of 2258 w/ avg rate of 14.4 bpm. ISIP 3350. Calc flush: 5194 gal. Actual Flush: 5208 gal
CEMENT DATA: 300 sxs Premlite II & 400 sxs 50/50 POZ. CEMENT TOP AT: 450'				03/01/0	5 4978-5056'	Frac A.5 & A1 sands as follows: 75,155#20/40 sand in 564 bbls lightning 17 frac fluid. Treated @ avg press. of 1849 w/ avg rate of 24.8bpm ISIP 2000. Calc flush: 4976 gal. Actual Flush: 4756 ga
TUBING SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 176 jts (5773.69') TUBING ANCHOR: 5785.69'				03/02/0	95 4671-4722°	_
NO. OF JOINTS: 1 jt (32.58') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5821.07' KB NO. OF JOINTS: 2 jts (66.74') TOTAL STRING LENGTH: EOT @ 5889.36'				4/25/09	)	RTP. Updated r & t details.
SUCKER RODS				4671-4676		
POLISHED ROD: 1-1/2" x 22' SM  SUCKER RODS; 6-1 1/2" weight bars; 10- 3/4" guided rods; 116 3/4" slick rods; 100-3/4" guided rods; 1-8',1-6',& 1-4'x 3/4" pon rods.  PUMP SIZE: 2-1/2" x 1-1/2" x 21'x 24' RHAC  STROKE LENGTH: 86"		MANNA—NANANI		4709-4722' 1978-4984' 5042-5056' 5196-5203' 5216-5221' 5322-5333'		PERFORATION RECORD  2/22/2005 5915-5922' 4 SPF 28 holes 2/22/2005 5852-5864' 4 SPF 48 holes
PUMP SPEED: 5 SPM				5463-5476' 5544-5564' 5680-5700' 5720-5724' achor @ 5786'		2/28/2005     5720-5724'     4 SPF     16 holes       2/28/2005     5680-5700'     4 SPF     80 holes       3/01/2005     5544-5564'     4 SPF     80 holes       3/01/2005     5463-5476'     4 SPF     52 holes       3/01/2005     5322-5333'     4 SPF     44 holes
	SN @ 5821'	WAT AF	E E	852-5864' OT @ 5889' 15-5922'		3/01/2005 5216-5221' 4 SPF 20 holes 3/01/2005 5196-5203' 4 SPF 28 holes 3/01/2005 5042-5056' 4 SPF 56 holes 3/01/2005 4798-4984' 4 SPF 24 holes
NEWFIELD				BTD @5983'		3/01/2005 4709-4722' 4 SPF 52 holes 3/01/2005 4671-4676' 4 SPF 20 holes
Ashley Federal 10-13-9-15		4	N	HOE @ 6023'		
1938' FSL & 1967' FEL			TE	@ 6038'		
NW/SE Section 13-T9S-R15E						
Duchesne Co, Utah						
API #43-013-32458; Lease #UTU-66184						DE 7/8/00

#### Ashley Federal 16-13-9-15

Spud Date: 6/23/05
Put on Production: 8/12/05
Wellbore Diagram

TOC @ 70°

Initial Production: 31 BOPD, 14 MCFD, 51 BWPD

## SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jis. (302.24") DEPTH LANDED: 314.09' KB

GL: 6127' KB: 6139'

HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G", circ. 6 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 141 jts. (5976.61') DEPTH LANDED: 5975.86' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 70' per CBL 8/3/05

#### TUBING (GI 3/28/12)

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#

NO. OF JOINTS: 180 jts (5634.7')

TUBING ANCHOR: 5646.7' KB

NO. OF JOINTS: 2 jts (62.18')

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 5711.68' KB

BLEED NIPPLE: 2-7/8" (0.65')

NO. OF JOINTS: 2 jts (62.79')

NOTCHED COLLAR: 2-7/8" (0.45')

TOTAL STRING LENGTH: EOT @ 5776.67'

#### SUCKER RODS (GI 3/28/12)

POLISHED ROD: 1 1/2" x 22'

SUCKER RODS: 4' x 7/8" pony rod, 79 x 7/8" guided rods(4per), 142 x  $\frac{3}{4}$ " guided rods(4per), 6 x 1-½" weight bars, 6 x 4' x 7/8" stabilizer bars.

PUMP SIZE: 2-1/2" x 1-1/4"x 14' x 16' RHAC

STROKE LENGTH: 86"
PUMP SPEED, SPM: 5

PUMPING UNIT: AMERICAN PRODUCER I C-228-213-86

## NEWFIELD

Ashley Federal 16-13-9-15 682' FSL & 523' FEL SE/SE Section 13-T9S-R15E Duchesne Co, Utah API #43-013-32668; Lease #UTU-68548

#### FRAC JOB Frac CP2 and CP3 sands as follows: 8/8/05 5596'-5688' 48,881#'s of 20/40sand in 437 bbls lightning 17 frac fluid. Treated @ avg press of 1399, w/avg rate of 24.6 bpm. ISIP 2000 psi. Calc flush: 5594 gal. Actual flush: 5368 gal. 8/8/05 5462'-5506' Frac LODC sands as follows: 30,693#'s of 20/40 sand in 330 bbls lightning 17 frac fluid. Treated @ avg press of 1837, w/avg rate of 24.9 bpm. ISIP 2200 psi. Calc flush: 5460 gal. Actual flush: 5212 gal. 8/9/05 5126'-5166' Frac LODC sands as follows: 30,385#'s of 20/40 sand in 317 bbls lightning 17 frac fluid. Treated @ avg press of 1882, w/avg rate of 24.9 bpm. ISIP 2750 psi. Calc flush: 5124 gal. Actual flush: 4885 8/9/05 4777'-4786' Frac C sands as follows: 39,987#'s of 20/40 sand in 370 bbls lightning 17 frac fluid. Treated @ avg press of 1674, w/avg rate of 24.7 bpm. ISIP 1800 psi. Calc flush: 4775 gal. Actual flush: 4536 8/9/05 4666'-4674' Frac D2 sands as follows: 35,978#'s of 20/40 sand in 349 bbls lightning 17 frac fluid. Treated @ avg press of 1831, w/avg rate of 24.6 bpm. ISIP 1950 psi. Calc flush: 4664 gal. Actual flush: 4536 $\label{eq:hole in Tubing. Rod \& tubing detail updated.} Hole in Tubing. Rod \& tubing detail updated r \& t detail.$ 6/30/08 1/28/09 1/10/10 Parted rods. Updated rod and tubing detail. Parted rods. Updated rod and tubing detail. Parted rods. Updated rod and tubing detail. 6/17/2010 7/2/2010 Parted rods: updated rod & tubing detail. 3/30/12 4666'-4674' 5126'-5135' 5160'-5166' 5462'-5470'

#### PERFORATION RECORD

8/3/05	5672'-5688'	4 JSPF	64 holes
8/3/05	5596'-5600'	4 JSPF	16 holes
8/8/05	5500'-5506'	4 JSPF	24 holes
8/8/05	5462'-5470'	4 JSPF	32 holes
8/9/05	5160'-5166'	4 JSPF	24 holes
8/9/05	5126'-5135'	4 JSPF	36 holes
8/9/05	4777'-4786'	4 JSPF	36 holes
8/9/05	4666'-4674'	4 JSPF	32 holes

TD @ 6000'

PBTD @ 5932'

£ 5500'-5506'

5596'-5600'
Anchor @ 5647'
5672'-5688'
SN @ 5712'
EOT @ 5777'

CD 6/22/06

#### Ashley Federal 1-13-9-15

Initial Production: 17 BOPD, 7 Spud Date: 6/9/05 MCFD, 110 BWPD Injection Wellbore Put on Production: 8/8/05 Diagram GL: 6033' KB: 6045' FRAC JOB Frac CP5 and CP4 sands as follows: 8/1/05 5760'-5888' SURFACE CASING 70,609#'s of 20/40sand in 559 bbls lightning CSG SIZE: 8 5/8" 17 frac fluid. Treated @ avg press of 2153, w/avg rate of 24.8 bpm. ISIP 2250 psi. Calc flush: 5758 gal. Actual flush: 5565 gal. GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (303.51') Frac CP3 and CP1 sands as follows: Cement Top @ 230' 8/1/05 5576-5690' DEPTH LANDED: 315.36' KB 40,712#'s of 20/40 sand in 388 bbls lightning 17 frac fluid. Treated @ avg press of 1695, w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc HOLE SIZE: 12 1/4" CEMENT DATA: 160 sks Class G Mix. Est 3 bbls cement to pit flush: 5574 gal. Actual flush: 5384 gal. 8/1/05 5296'-5322' Frac LODC sands as follows: 60,602#'s of 20/40 sand in 489 bbls lightning 17 frac fluid. Treated @ avg press PRODUCTION CASING of 1802, w/avg rate of 24.7 bpm. ISIP 2000 CSG SIZE: 5 1/2' psi. Calc flush: 5294 gal. Actual flush: 5027 GRADE: J-55 WEIGHT: 15.5# 8/1/05 4927'-4933' Frac B1 sands as follows: LENGTH: 143 jts. (6057.57') 20.544#'s of 20/40 sand in 283 bbls DEPTH LANDED: 6055.57' KB lightning 17 frac fluid. Treated @ avg press of 1769, w/avg rate of 25 bpm. ISIP 1890 HOLE SIZE: 7 7/8" psi. Calc flush: 4925 gal. Actual flush: 4675 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix. Packer @ 4149' CEMENT TOP AT: 230' Frac GB6 sands as follows: EOT @ 4153' 8/1/05 4214'-4220' 24,232#'s of 20/40 sand in 269 bbls lightning 17 frac fluid. Treated @ avg press of 1626, w/avg rate of 25 bpm. ISIP 1850 TUBING psi. Calc flush: 4212 gal. Actual flush: 4108 SIZE/GRADE/WT .: 2 7/8" / J-55 / 6.5# 4214'-4220 Frac PB10 & PB11 sands as follows: NO. OF JOINTS: 132 its (4132.93') 6/6/06 19,190#'s of 20/40 sand in 207 bbls of SEATING NIPPLE: 2 7/8" (1.10') Lightning 17 frac fluid. Perfs broke @ 4406'-4413' 1980 psi. Treated @ ave pressure of 2615 SN LANDED AT: 4144,93' KB 4466'4474' w/ ave rate of 14.4 bpm w/ 6 ppg of sand. TOTAL STRING LENGTH: 4153.48' w/ 12' KB ISIP was 1625. 4927'-4933' Well converted to an Injection well. (New 6/7/06 6/22/06 MIT completed and submitted. 5296'-5322' 5576'-5582' 5682'-5690' 5760'-5766' 5802'-5804' PERFORATION RECORD 5822'-5824 7/20/05 5882'-5888' 6 JSPF 24 holes 7/20/05 7/20/05 5822'-5824' 4 JSPF 8 holes 5802'-5804' 4 JSPF 8 holes 5760'-5766' 4 JSPF 24 holes 5882'-5888' 7/20/05 8/01/05 5682'-5690' 4 JSPF 32 holes 5576'-5582' 4 JSPF 24 holes 8/01/05 5296'-5322' 4 JSPF 104 holes 8/01/05 8/01/05 4927'-4933' 4 JSPF 24 holes 8/01/05 4214'-4220' 4 JSPF 24 holes 4466'-4474' 4 JSPF 32 holes 6/06/06 4406'-4413' 4 JSPF 28 holes 6/06/06 PBTD @ 6012' NEWFIELD SHOE @ 6056' Ashley Federal 1-13-9-15 865' FNL & 375' FEL TD @ 6065' NE/NE Section 13-T9S-R15E Duchesne Co, Utah

API #43-013-32463; Lease #UTU-66184

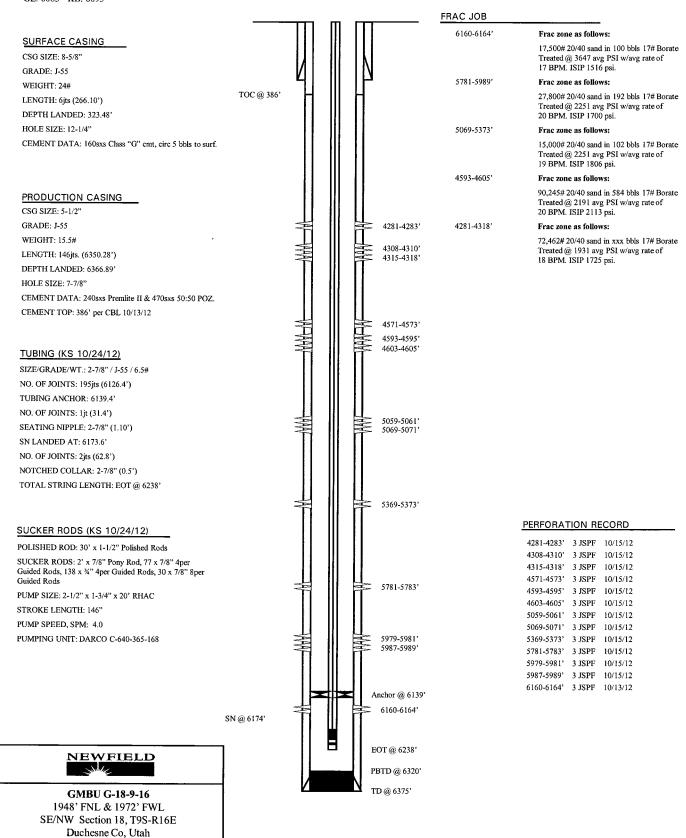
#### GMBU G-18-9-16

Spud Date: 9/12/12 Put on Production: 10/23/12

Wellbore Diagram

GL: 6083' KB: 6093'

API #43-013-51170; Lease #UTU-74390



#### GMBU O-18-9-16

Spud Date: 9/10/12 Put on Production: 10/18/12 GL: 6076' KB: 6086'

#### Wellbore Diagram

#### FRAC JOB 6002-6040 Frac zone as follows: **SURFACE CASING** 49,733# 20/40 sand in 336 bbls 17# Borate Treated @ 3087 avg PSI w/avg rate of CSG SIZE: 8-5/8" 32 BPM. ISIP 1500 psi. GRADE: J-55 TOC @ 102' 5852-5847' WEIGHT: 24# 57,301# 20/40 sand in 323 bbls 17# Borate LENGTH: 7its Treated @ 2639 avg PSI w/avg rate of 34 BPM. ISIP 1547 psi. DEPTH LANDED: 325.42' HOLE SIZE: 12-1/4" 5560-55683 Frac zone as follows: 39,543# 20/40 sand in 241 bbls 17# Borate CEMENT DATA: 160sxs Class "G" cmt, circ 6 bbls to surf. Treated @ 2879 avg PSI w/avg rate of 33 BPM. ISIP 1682 psi. 5254-5264 Frac zone as follows: 32,279# 20/40 sand in 210 bbls 17# Borate PRODUCTION CASING Treated @ 3667 avg PSI w/avg rate of CSG SIZE: 5-1/2" 22 BPM. ISIP 2385 psi. GRADE: J-55 4223-4227 Frac zone as follows: WEIGHT: 15.5# 4223-4227 28,010# 20/40 sand in 317 bbls 17# Borate Treated @ 2690 avg PSI w/avg rate of LENGTH: 142jts 24 BPM. ISIP 1693 psi. DEPTH LANDED: 6258.19' HOLE SIZE: 7-7/8" CEMENT DATA: 250sxs Premlite II & 465sxs 50:50 POZ. CEMENT TOP: 102' per CBL 10/9/12 TUBING (KS 10/17/12) SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 190jts (5964.3') 5254-5256' 5262-5264 TUBING ANCHOR: 5974.3' NO. OF JOINTS: 2jts (62.9') SEATING NIPPLE; 2-7/8" (1.10') SN LANDED AT: 60403 NO. OF JOINTS: 2jts (62.8') NOTCHED COLLAR: 2-7/8" (0.5") 5560-5561 TOTAL STRING LENGTH: EOT @ 6104' PERFORATION RECORD SUCKER RODS (KS 10/17/12) 4223-4227' 3 JSPF 12 holes POLISHED ROD: 30' x 1-1/2" Polished Rod 5254-5256' 3 JSPF SUCKER RODS: 4', 6', 8' x 7/8" Pony Rod, 78 x 7/8" 5262-5264' 3 JSPF 6 holes 4per Guided Rods, 134 x 3/4" 4per Guided Rods, 28 x 7/8" 5820-5822' 5560-5561' 3 JSPF 3 holes 8per Guided Rods 5564-5568' 3 JSPF 12 holes 5840-58413 PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 4' x 21' x 24' 5846-5847 5820-5822' 3 JSPF 6 holes RHAC 5852-5853" 5840-5841' 3 JSPF 3 holes STROKE LENGTH: 146" 5846-5847' 3 JSPF 3 holes PUMP SPEED, SPM: 4.0

NEWFIELD

SN @ 6040'

PUMPING UNIT: DARCO C-456-365-168

#### GMBU O-18-9-16

2095' FNL & 404' FEL SE/NE Section 13, T9S-R15E Duchesne Co, Utah API #43-013-51089; Lease #UTU-66184 3 JSPF

6002-6004' 3 JSPF 6 holes

6012-6013' 3 JSPF 3 holes 6020-6021' 3 JSPF 3 holes

5852-5853'

Anchor @ 5974'

6002-6004'

6012-6013' 6020-6021 6038-6040'

EOT @ 6104'

PBTD @ 6211' TD @ 6265'

## ATTACHMENT E-13

GMBU J-13-9-15
Monument Butte - Duchesne County, Utah, USA

Surf Location: NW/NW - Sec 18, T9S, R18E; 723' FNL & 441' FWL

6038' GL + 10' KB

									AP#: 4	13-013-51136	;_Lease#: U1	U-74390				Spud	Date: 10/9/12; PoP Date: 2/
_	Casing	Тор	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole	 All	- n		<u> </u>
DETAIL	Surf	10'	318'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250		- 11		
•	Prod	10'	6,234	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875				
II.	Тор	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID		Packer/Hange	er		<b>II</b>	I N	
DETAIL	10'	5,948'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing And	norSet @	5,849'		- II		8-5/8"Shoe @ 318"
Δ						-					ļ				- II		
		Component	t	Тор	Bottom	Size	Grade	Length	Count			ump			II		
	Pony Rod				2'	7/8"	Tenaris D78	2'	1	Insert Pump	: 2.5 Max ID	x 1.75 Plunger	RHAC @		II.		
100 000	Polish Rod			2'	32'	1 1/2"	4140	30'	1	5,875'					H		
5	Pony Rod			32'	50'	7/8"	Tenaris D78	18'	1								
2	4per Guided	Rod		50'	1,975'	7/8"	Tenaris D78	1,925'	77	4					II.		
	4per Guided			1,975'	5,175'	3/4"	Tenaris D78	3,200'	128	4				1	II.		
_	8per Guided			5,175'	5,875'	7/8"	Tenaris D78	700'	28	ļ					II		
age	Тор	Bottom	SPF	EHD	Date				Frac S	ummary		T		1	. 11		
5	4,270'	4,275'	3	0.34	1/19/2013	Formation:		GB6					KCL	51	· II		
ļ		<u> </u>			<u> </u>	20/40 White	:	25,277		15% HCI:	utali.		gals				
Ì			_		<u> </u>	Pad:			3 gals	Treating Fi		6,210 12,442					
						Flush: ISIP=			gals	Max STP:	cover.	3,151		<b>1</b>	H		
			***= ***** **** * *****						5 psi/ft	MAX OII.	· · · · · · · · · · · · · · · · · · ·			<b>\$</b>			
5	4,834'	4,836'	3	0.34	1/19/2013	Formation:		D3		15% HCI:			gals	<b>1</b>	II		
	4,839'	4,842'	3	0.34	1/19/2013	20/40 White	:	40,250		Treating FI	uid				II		
					ļ	Pad: Flush:			2,885 gals       Treating Fluid:       9,120 gals         4,712 gals       Load to Recover:       17,221 gals				II				
						ISIP=			zgais 1. psi/ft	Max STP:	COVEI.	3,454		# 1	- 11		
										max o		<del></del>	KCL				
4	4,970'	4,972'	3	0.34	11.10/2070	Formation: 20/40 White		B1 50,925	B-Half	15% HCI:			gals				
	4,999'	5,002'	3	0.34	1/19/2013	Pad:	•		tgals	Treating FI	uid:	11,280	-				
			1		-	Flush:			gals gals	Load to Re		19,264	_				
		-	<del> </del>			ISIP=			s galis S psi/ft	Max STP:		3,151			- 11		
		5440				Formation:		LODC	A-1	A-Half			KCL	1	H		
3	5,112'	5,114'	3	0.34	1/19/2013	20/40 White		66,893		15% HCI:			gals		Ш		
	5,148' 5,303'	5,150' 5,306'	3	0.34	1/19/2013	Pad:	•		1 gals	Treating FI	uid:	15,154	-				
	5,303	5,300	<u> </u>	0.34	1/19/2013	Flush:			5 gals	Load to Re		24,394	-		. II		
			<del>                                     </del>	<u> </u>		ISIP≖			2 psi/ft	Max STP:		2,946					
	E 0071	5 870'	-	0.24	4/49/2042	Formation:		CP3	CP1			7%	KCL.	4	H	t l	
٠	5,667' 5,756'	5,670' 5,758'	3	0.34	1/18/2013	1		31,975		15% HCI:			gals		يلليي		
	5,766'	5,768'	3	0.34	1/18/2013	Pad:			4 gals	Treating Fi	uid:	7,524	-		U		
	5,, 00	1-0,,,,,	─ <del>~</del>	- 5.54		Flush:			0 gals	Load to Re		21,972				<b>I</b> 1	
			<b>†</b>	<u> </u>	<b>†</b>	ISIP=			0 psl/ft	Max STP:		3,475					EOT @ 5948'; TA @ 58
_	5,842'	5,844'	3	0.34	1/18/2013	Formation:		CP4	<del>.</del>			7%	KCL				5-1/2"Shoe @ 6234
	5,866	5,868'	3	0.34	1/18/2013	20/40 White	<b>:</b>	63,714	4 lbs	15% HCI:		756	gals				PBTD @ 6160'
	5,876	5,878'	3	0.34	1/18/2013	Pad:			6 gals	Treating Fi	luid:	15,001					TVD @ 6139'
	-,		1			Flush:			4 gals	Load to Re	cover:	40,525	gals				BHST = 190°F
		1	<u> </u>		<u> </u>	ISIP=		0.80	8 psi/ft	Max STP:		3,850	) psi	7.2			
$\Box$	Surf	On 10/11/12	2 Baker ceme	nted 8 5/8" ca	sing w/ 160 s	ks Class "G"	+ 2% KCl + 0	.25#/sk Cello	Flake at 15.8	3 ppg w/ 1.17	yield and retu	ımed 6 bbls to	the pit.				
		<b></b>												 			
	Prod	On 10/21/12	2 Baker pump	ed 240 sks le	ad @ 11 ppg	w/ 3.53 yield	plus 450 sks t	tail @ 14.4 p	pg w/ 1.24 yie	nd. Returned	14 bbis to the	pit. TOC @ 1	r.				

#### West Point 3-18-9-16

Spud Date: 12-15-06 Put on Production: 2/8/07 GL: 6054' KB: 6066'

API # 43-013-32794; Lease # UTU-74390

#### Injection Wellbore Diagram

#### FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" Frac CP4, & CP3 sands as follows: 02-01-07 5745-58413 39231# 20/40 sand in 396 bbls Lightning 17 GRADE: J-55 frac fluid. Treated@ avg press of 2354 psi w/avg rate of 24.7 BPM. ISIP 1986 psi. Calc Cement top @ 110' WEIGHT: 24# flush: 5743 gal. Actual flush: 5250 gal. LENGTH: 7 jts (310.06') 02-01-07 5131-5146' Frac A1 sands as follows: DEPTH LANDED: 321.91' KB 87269# 20/40 sand in 666 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 2631 psi w/avg rate of 24.8 BPM. ISIP 2192 psi. Calc flush: 5129 gal. Actual flush: 4662 gal. CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf. 02-01-07 4976-50153 Frac B1, & B2 sands as follows: 49371# 20/40 sand in 419 bbls Lightning 17 frac fluid. Treated@ avg press of 2122 psi w/avg rate of 24.7 BPM. ISIP 2068 psi. Calc PRODUCTION CASING flush: 4974 gal. Actual flush: 4452 gal. CSG SIZE: 5-1/2" Frac PR10. & PB11 sands as follows: GRADE: J-55 02-01-07 4470-45033 79312# 20/40 sand in 586 bbls Lightning 17 WEIGHT: 15.5# frac fluid. Treated@ avg press of 2401 w/ avg rate of 24.8 BPM. ISIP 2342 psi, Calc LENGTH: 137 jts. (6053.99') flush: 4468 gal. Actual flush: 3948 gal. DEPTH LANDED: 6067.24' KB Frac GB4 sands as follows: 02-01-07 4220-4230' HOLE SIZE: 7-7/8" 50606# 20/40 sand in 418 bbls Lightning 17 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. frac fluid. Treated@ avg press of 1930 w/ avg rate of 24.7 BPM. ISIP 2342 psi. Calc CEMENT TOP AT: 110' flush: 4218 gal. Actual flush: 4116 gal. Parted rods. Updated rod & tubing details. 8/8/07 2/29/08 Tubing Leak. Updated rod & tubing details. TUBING Packer @ 4157' Well converted to an Injection Well. 2/2/09 SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# Conversion MIT finalized - update tbd EOT @ 4161' 2/4/09 NO. OF JOINTS: 131 jts (4140.45') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4152.45' KB 4220-4230' CE @ 4156.75' TOTAL STRING LENGTH: EOT @ 4160.82' KB 4470-4474 4492-4503 4976-4984 PERFORATION RECORD 5010-50157 4 JSPF 36 holes 01-19-07 5832-5841' 01-19-07 5812-5820' 4 JSPF 32 holes 5131-5146 4 JSPF 28 holes 5745-5752' 01-19-07 02-01-07 5131-5146' 4 JSPF 60 holes 02-01-07 5010-5015 4 JSPF 5745-5752 02-01-07 4976-4984 4 JSPF 32 holes 4 JSPF 44 holes 02-01-07 4492-4503' 16 holes 02-01-07 4470-4474' 4 JSPF 02-01-07 4220-4230' 4 JSPF 40 holes 5812-5820' 5832-58413 NEWFIELD PBTD@ 6017' West Point 3-18-9-16 TD @ 6070' 888' FNL & 1562' FWL NE/NW Section 18-T9S-R16E Duchesne Co, Utah

## ATTACHMENT E-15

#### West Point 5-18-9-16

BOPD, Initial Production: Spud Date: 12-6-06 MCFD, BWPD Put on Production: 2-22-07 Injection Wellbore Diagram GL: 6162' KB: 6114' FRAC JOB SURFACE CASING Frac CP5 sands as follows: 02-15-07 5934-5941' CSG SIZE: 8-5/8" 19805# 20/40 sand in 314 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2564 psi w/avg rate of 23.4 BPM. ISIP 2257 psi. Calc Cement top @ 70 WEIGHT: 24# flush: 5932 gal. Actual flush: 5447 gal. LENGTH: 7 jts (301.45') Frac CP1 sands as follows: 02-15-07 5653-5659 DEPTH LANDED: 312.35' KB 25347# 20/40 sand in 349 bbls Lightning 17 frac fluid. Treated @ avg press of 2060 psi w/avg rate of 25.2 BPM. ISIP 1953 psi. Calc HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf. flush: 5651 gal. Actual flush: 5124 gal. 02-15-07 5145-5155' Frac A15 sands as follows: 92086# 20/40 sand in 671 bbls Lightning 17 frac fluid. Treated @ avg press of 2010 psi w/avg rate of 21.3 BPM, ISIP 2009 psi. Calc flush: 5143 gal. Actual flush: 4641 gal. PRODUCTION CASING Frac B .5 sands as follows: 02-16-07 4960-4970 CSG SIZE: 5-1/2" 70364# 20/40 sand in 549 bbls Lightning 17 frac fluid. Treated@ avg press of 2030 w/ avg rate of 25 BPM. ISIP 2270 psi. Calc GRADE: J-55 WEIGHT: 15.5# flush: 4958 gal. Actual flush: 4452 gal. LENGTH: 137 jts. (6049.43') Packer @ 4404' Frac D2 sands as follows: 02-16-07 4821-4827 DEPTH LANDED: 6062.68' KB EOT @ 4408' 15106# 20/40 sand in 257 bbls Lightning 17 frac fluid. Treated @ avg press of 2662 w/ avg rate of 24.6 BPM. ISIP 2660 psi. Calc HOLE SIZE: 7-7/8" CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ. flush: 4819 gal. Actual flush: 4397 gal. CEMENT TOP AT: 70° Frac D1. & D2 sands as follows: 4462-4481' 02-16-07 4612-46623 60551#20/40 sand in 476 bbls Lightning 17 frac fluid. Treated@ avg press of 1910 w/ 4612-4617 avg rate of 24.7 BPM. ISIP 2084 psi. Calc **TUBING** flush: 4610 gal. Actual flush: 4108 gal. SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# 4652-4662 Frac PB10 sands as follows: 02-16-07 4462-4481' NO. OF JOINTS: 139 jts (4387.65') 90772# 20/40 sand in 678 bbls Lightning 17 frac fluid. Treated @ avg press of 2025 w/ avg rate of 27.2 BPM. ISIP 2096 psi. Calc 4821-4827 TUBING ANCHOR: 4404.05' KB SEATING NIPPLE: 2-7/8" (1.10') flush: 4460 gal. Actual flush: 4368 gal. Recompletion 4960-4970 SN LANDED AT: 4399.65' KB 8-30-07 5819-5826 Frac CP4 sands as follows: TOTAL STRING LENGTH: EOT @ 4408.07' KB 34086# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated@ avg press of 3747 w/ avg rate of 14.3BPM. ISIP 1946psi. Acutal - 5145-5155 flush:1593 Well converted to an Injection Well. 10/9/08 10/23/08 MIT completed and submitted. PERFORATION RECORD 02-02-07 5934-5941' 4 ISPF 28 holes 02-15-07 5819-5826' 4 JSPF 28 holes 5653-5659 02-15-07 5653-5659" 4 ISPF 24 holes 02-15-07 5145-5155' 4 JSPF 02-15-07 4960-4970' 4 JSPF 40 holes 5738'-5748'new 4821-4827 4 JSPF 24 holes 02-16-07 4 JSPF 40 holes 02-16-07 4652-4662" 02-16-07 4612-4617' 4 JSPF 20 holes 4 JSPF 76 holes 4462-4481' 02-16-07 5819-5826 8-29-07 5738-5748' 4 JSPF 28 holes 5934-5941 NEWFIELD PBTD @ 6027' SHOE @ 6063' West Point 5-18-9-16 TD @ 6075' 1973' FNL & 466' FWL SW/NW Section 18-T9S-R16E Duchesne Co, Utah

API # 43-013-32996; Lease # UTU-74390

#### **WEST POINT FED 6-18-9-16**

Spud Date: 10/11/2007

Put on Production: 11/21/2007

SE/NW Section 18-T9S-R16E

Duchesne Co, Utah

API #43-013-32997; Lease # UTU-74390

GL: 6084' KB: 6096'

#### Injection Wellbore Diagram

#### SURFACE CASING FRAC JOB Frac CP1 sds w/ 130,809#'s of 20/40 sand in CSG SIZE: 8-5/8" 11/13/07 5663-56923 968 bbls of Lightning 17 fluid. Broke @ 1459 psi. Cement Top @ 85 GRADE: J-55 Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1872 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2168 psi Calc Flush:? Actual Flush: 5153 gals. WEIGHT: 24# LENGTH: 7 jts (307.26') Casing shoe @ 319' DEPTH LANDED: 319 HOLE SIZE:12 1/4" 11/14/07 5272-52823 Frac A3 sds w/ 34,743#s of 20/40 sand in 417 bbls of Lightning 17 fluid. Broke @ 3550 psi. CEMENT DATA: To Surface w/160 sx class 'G' cement Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1937 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2347 psi Calc Flush:? Actual Flush: 4767 gals. Frac B.5 sds w/ 80,129#'s of 20/40 sand in 11/14/07 4974-49863 625 bbls of Lightning 17 fluid. Broke @ 3658 psi. PRODUCTION CASING Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of CSG SIZE: 5-1/2" 1721 psi @ ave rate of 24.8 BPM. Pumped 504 GRADE: J-55 gals of 15% HCL in flush for Stage #4. ISIP 1899 psi WEIGHT: 15.5# Calc Flush:? Actual Flush: 4553 gals. LENGTH: 11/14/07 4913-4924' Frac C sds w/ 40,150#'s of 20/40 sand in 408 bbls DEPTH LANDED: 6007' of Lightning 17 fluid. Broke @ 1850 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of HOLE SIZE: 7 7/8' Techni-Hib 767W. Treated w/ ave pressure of CEMENT DATA: 300 sx primlite II and 400 sx 50/50 poz 2084 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2483 psi CEMENT TOP: 857 Calc Flush:? Actual Flush: 4368 gals. 11/14/07 4226-4250 Frac GB4 sds w/ 124,267#'s of 20/40 sand in **TUBING** 914 bbls of Lightning 17 fluid. Broke @ 1250 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# Techni-Hib 767W. Treated w/ ave pressure of 1676 psi @ ave rate of 24.8 BPM. ISIP 1895 psi. NO. OF JOINTS: 133 its (4183.7') Calc Flush: ? Actual Flush: 4158 gals. SEATING NIPPLE: 2-7/8" (1.10') Convert to Injection Well SN LANDED AT: 4195.7' KB 08/03/12 Conversion MIT Finalized - update tbg detail ON/OFF TOOL AT: 4196.83 08/06/12 PACKER CE @ 4201.893 XO AT: 4205.6 TBG PUP AT: 4206.1 XN NIPPLE AT: 4210.13 TOTAL STRING LENGTH: EOT @ 4212' KB Packer @ 4202' EOT @ 4212' 4226-4250' PERFORATION RECORD 4913-4924' 11/08/07 5663-56923 4 JSPF 116 holes 4974-4986 11/13/07 5272-5282 4 JSPF 40 holes 11/14/07 4974-4986' 4 JSPF 48 holes 11/14/07 4913-4924 4 JSPF 44 holes 5272-5282 96 holes 11/14/07 4226-4250 4 JSPF 5663-5692' NEWFIELD PBTD-@ 5967' **WEST POINT FEDERAL 6-18-9-16** TD@ 6060 1971'FNL & 1947' FWL

#### West Point Federal 4-18-9-16

Spud Date: 12-8-06 Put on Production:

GL: 6035' KB: 6047'

P&A Wellbore Diagram Surface to 304' 267 sxs Class G cement TD@ 304'

#### West Point Federal 4-18-9-16

715' FNL & 406' FWL NWNW Section 18-T9S-R16E Duchesne Co, Utah API #43-013-32793; Lease #UTU-74390

#### West Point Federal 4A-18-9-16

Spud Date: 12-14-06 Put on Production: 2-14-07

Duchesne Co, Utah
API # 43-013-33463; Lease # UTU-74390

GL: ' KB: '

Injection Wellbore Diagram

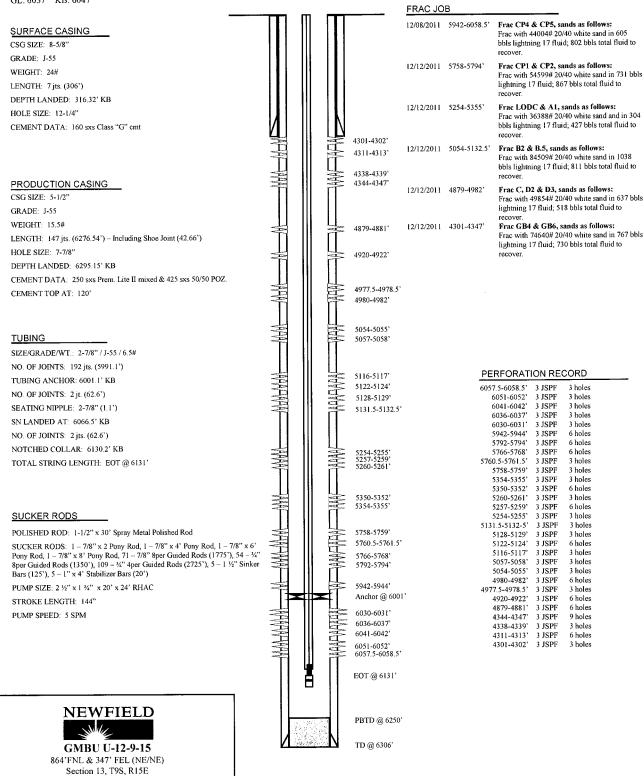
#### SURFACE CASING FRAC JOB 02-08-07 5793-5800 Frac CP4 sands as follows: CSG SIZE: 8-5/8" Cement top @ 150' 20017# 20/40 sand in 307 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2259 psi w/avg rate of 23.7 BPM. ISIP 2240 psi. Calc WEIGHT: 24# Casing Shoe @ 322 flush: 5791 gal. Actual flush: 5334 gal. LENGTH: 7 jts (310.22') Frac CP1 sands as follows: 02-08-07 5621-5630' DEPTH LANDED: 322.07' KB 41051# 20/40 sand in 403 bbls Lightning 17 HOLE SIZE: 12-1/4" frac fluid. Treated @ avg press of 1939 psi w/avg rate of 23.7 BPM. ISIP 2600 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf. flush: 5619 gal. Actual flush: 5124 gal. Frac A 1 sands as follows: 02-08-07 5126-5134 40299# 20/40 sand in 387 bbls Lightning 17 frac fluid. Treated @ avg press of 2104 psi w/avg rate of 24 BPM. ISIP 3240 psi. Calc flush: 5124 gal. Actual flush: 4662 gal. PRODUCTION CASING 02-08-07 4758-4765 Frac D2 sands as follows: 40453# 20/40 sand in 380 bbls Lightning 17 CSG SIZE: 5-1/2" GRADE: J-55 frac fluid. Treated @ avg press of 1065 w/ avg rate of 24.3 BPM. ISIP 1944 psi. Calc flush: 4756 gal. Actual flush: 4284 gal. WEIGHT: 15.5# LENGTH: 141 jts. (6024.60') 02-08-07 4596-4611 Frac DS1 sands as follows: 34437# 20/40 sand in 378 bbls Lightning 17 frac fluid. Treated @ avg press of 2000 w/ DEPTH LANDED: 6037.85' KB HOLE SIZE: 7-7/8" avg rate of 14.3 BPM. ISIP 2200 psi. Calc CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. flush: 4594 gal. Actual flush: 4116 gal. Frac GB6 sands as follows: CEMENT TOP AT: 150 02-09-07 4230-4239\* 50386# 20/40 sand in 416 bbls Lightning 17 frac fluid. Treated @ avg press of 1773 w/ avg rate of 24.5 BPM. ISIP 2010 psi. Calc flush: 4228 gal. Actual flush: 4158 gal. Pump Change. Rod & Tbg detail updated. 08/28/07 TUBING 08/07/12 Convert to Injection Well SIZE/GRADE/WT : 2-7/8" / I-55 / 6 5# Conversion MIT Finalized - update tbg 08/09/12 NO. OF JOINTS: 132 jts (4166.7') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4178.7' KB ON/OFF TOOL AT: 4179.8' PACKER CE @ 4184.713 XO AT: 4188.4' TBG PUP 2-3/8" AT: 4188.9" X/N 2-3/8" AT 4193.0" TOTAL STRING LENGTH: EOT @ 4195' KB Packer @ 4185' EOT @ 4195 PERFORATION RECORD 4230-4239 28 holes 01-25-07 5793-5800' 4 JSPF 02-08-07 5621-5630' 4 JSPF 36 holes 4596-4611 02-08-07 5126-5134" 4 JSPF 32 holes 28 holes 02-08-07 4758-4765 4 JSPF 4758-4765 02-08-07 4596-4611' 4 JSPF 60 holes 4230-4239' 4 JSPF 36 holes 5126-5134 5621-5630 5793-58003 NEWFIELD Shirty. PBTD @ 5990' West point Federal 4A-18-9-16 TD @ 6050' 714' FNL & 416' FWL NW/NW Section 18-T9S-R16E

#### GMBU U-12-9-15

Spud Date: 11/07/2011 PWOP: 12/17/2011 GL: 6037' KB: 6047'

> Duchesne County, Utah API #43-013-50693; Lease # UTU-66184

#### Wellbore Diagram

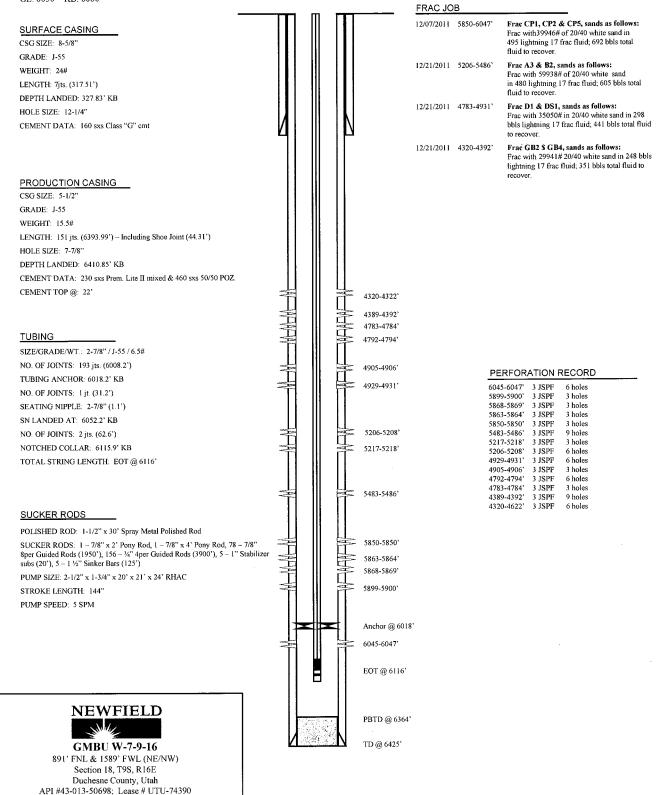


#### GMBU W-7-9-16

Spud Date: 11/16/2011 Put on Production: 01/04/2012

GL: 6050' KB: 6060'

#### Wellbore Diagram





GMBU X-7-9-16
Monument Butte - Duchesne County, Utah, USA

Surf Location: NW/NW - Sec 18, T9S, R16E; 735' FNL & 459' FWL

6038' GL + 10' KB

Mickey Moulto DLB 5/7/13

March   Sept						l				API#: 4	3-013-51137	; Lease#: UT	U-74390				Spu	ud Date: 10/9/12; PoP Date: 2/1/
Top	ნ =	Casing	Тор	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole		П	$\overline{}$	<del></del>
Top	ASIN	Surf	10'	349'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250		Ш	- 11	
No.	ں ۵	Prod	10'	6,338'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875		- 11	- 1 k	
Component   Top   Botton   Size   Care   Court   Power	ات ن	Тор	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	ı	Packer/Hange	er	4	Ш		
Component   Top   Botton   Size   Care   Court   Power	TBC DET/	10'	6,231'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anch	or Set @	6,133'	7	Ш		8-5/8"Shoe @ 349"
March   Mar	_				_	<u> </u>							_			Ш	-11	•
March   Part			Component		Тор					_						Ш	11	
Page Clusted Red   Sec	닕					_					4	: 2.5 Max ID )	(1.75 Plunger	RHAC @		Ш		
Proceedings   1.0   1.	)ET				_	_					0,103					Ш	11	
Page Classifier No.   1.00	go	_	Rod			_					1					Ш	11	
March   Marc	œ									_	1					П		
7 4,307 4,30F 3 0,34 1/192013 Pormation: GB-4 4,227 4,32F 3 0,34 1/192013 Part: 4,250 gils 1,420 gi							7/8"				1				11	Ш		
4.327	Stage	Тор	Bottom	SPF	EHD	Date				Frac S	ummary					II		
4,227   4,229   3   0.34   1792073   94cl   4,200 gale   Treating Fluid: 14,205 gale   1,200 g	7	4,303'	4,306'	3	0.34	1/19/2013	Formation:		GB-4							Ш	11	
Column		4,323'	4,324'	3	0.34	1/19/2013	20/40 White	:	63,269	lbs	15% HCI:		4,200	gals				
A		4,327'	4,329	3	0.34	1/19/2013	Pad:		4,200	gals								
6										-		cover:				H		
ASS							ISIP=		0.889	psi/ft	Max STP:		2,881	psi				
4.63	6				0.34											H		
Flush:		_	_			_		:								H		
March   Marc		4,638'	4,640'	3	0.34	1/19/2013										Ш		
5						<u> </u>						cover:		-		H	- 11	
4,776° 4,777° 3 0.34 1/19/2013 20/40 White: 36,950 lbs 15% HCl: 500 gals 4,915° 4,918° 3 0.34 1/19/2013 Pad: 2,335 gals Load to Recover: 16,777 gals 5,071° 5,072° 3 0.34 1/19/2013 Formation: BH-Inf 5,081° 5,084° 3 0.34 1/19/2013 Pad: 2,255 gals 15% HCl: 504 gals 15,287° 5,285° 3 0.34 1/19/2013 Pormation: LODC A-1 15,289° 5,270° 3 0.34 1/19/2013 Pormation: LODC A-1 15,289° 5,270° 3 0.34 1/19/2013 Pad: 2,925 gals Load to Recover: 4,780 gals 15,247° 5,428° 3 0.34 1/19/2013 Pad: 2,925 gals Load to Recover: 2,4648 gals 15,270° 5,795° 5,795° 3 0.34 1/19/2013 Plath: 5,229 gals Load to Recover: 2,4648 gals 15,959° 5,962° 3 0.34 1/19/2013 Plath: 5,229 gals Load to Recover: 16,626 gals 15% HCl: 504 gals 15% HCl: 504 gals 15,989° 5,795° 3 0.34 1/19/2013 Plath: 5,229 gals Load to Recover: 2,4648 gals 15,999° 5,992° 3 0.34 1/19/2013 Plath: 5,229 gals Load to Recover: 16,626 gals 15% HCl: 2,814 gals 15% HCl: 3,023 pal 16,672° 6,073° 3 0.34 1/19/2013 Pormation: BSL-S0 CP-5 16,169° 6,170° 3 0.34 1/19/2013 Pormation: BSL-S0 CP-5 16,175° 6,177° 3 0.34 1/19/2013 Plath: 5,960 gals Treating Fluid: 8,255 gals 16,180° 6,182° 3 0.34 1/19/2013 Plath: 5,960 gals Treating Fluid: 8,355 gals 16,180° 6,182° 3 0.34 1/19/2013 Plath: 5,960 gals Treating Fluid: 8,355 gals 16,180° 6,182° 3 0.34 1/19/2013 Plath: 5,960 gals Treating Fluid: 8,355 gals 170 @ 6217° HBHST = 100°F				$\vdash$		<del>                                     </del>	5				WIGA 31F		3,122	Pol				
## A 915'   4,918'   3   0.34   1/19/2012   Pad:   2,335 gals   Treating Fluid:   9,338 gals   Load to Recover:   16,877 gals   16,877 gals   16,877 gals   16,277 gals	5										15% HCI:		500	nale		[]		
Flush:   4,704 gals   Load to Recover:   16,877 gals   3,811 pai   1,902 pai   1						_						uid:		-		H		
SiPe   0.883 pat/ft   Max STP:   3.811 pai		4,010	4,010	Ť	0.34	1719/2013									11	Н	-	
Solid   Soli																- 11		
S,081'   S,084'   3   0.34   1/19/2013   20/40 White:   29,756 lbs   15% HCl:   504 gals   6,973 gals   14,780 gals   15,883 gals   15,885 g	4	5.071'	5.072'	3	0.34	1/19/2013	Formation:								11	Ш		
Flush:   5,048 gals   14,780 gals   14,780 gals   14,780 gals   14,780 gals   15,983 gals   14,780 gals   15,269 gals   1,780 gals	·			3	0.34	_	20/40 White		29,756	lbs	15% HCI:		504	gals		- 11		
Sipe							Pad:		2,255	gals	Treating Flu	uid:	6,973	gals		Ш		
Signature   Sign									5,048	gals		cover:	14,780	gals		Ш		
5,289   5,270   3							ISIP=		0.895	psi∕ft	Max STP:		3,534	psi		11		
5,387   5,389   3	3				0.34	1/19/2013										Ш		
5,427' 5,429' 3 0.34 1/19/2013 Flush: 5,229 gals Load to Recover: 24,648 gals   SIP= 0.824 psi/ft Max STP: 3,272 psi  2 5,793' 5,795' 3 0.34 1/19/2013 Formation: CP.4 CP-1   5,959' 5,962' 3 0.34 1/19/2013   20/40 White: 35,010 lbs 15% HCl: 2,814 gals   Flush: 5,687 gals Load to Recover: 16,626 gals   Flush: 5,687 gals   Flush: 5,541/2"Shoe @ 6338' PBTD @ 6286' Flush: 5,960 gals Load to Recover: 18,588 gals   Flush: 5,960 gals															Ш	П		
Signar   S																11		
2 5,793' 5,795' 3 0.34 1/19/2013 Formation: CP.4 CP-1 5,959' 5,962' 3 0.34 1/19/2013 20/40 White: 35,010 ibs 15% HCI: 2,814 gals Pad: 2,310 gals Treating Fluid: 8,125 gals   Flush: 5,687 gals   Load to Recover: 16,626 gals		5,427'	5,429'	3	0.34	1/19/2013						cover:				Ш		
5,959' 5,962' 3 0.34 1/19/2013 20/40 White: 35,010 lbs 15% HCl: 2,814 gals Pad: 2,310 gals Treating Fluid: 8,125 gals Load to Recover: 16,626 gals ISIP= 0,777 ps/rt Max STP: 3,023 psi  1 6,072' 6,073' 3 0.34 1/19/2013 Formation: BSL-SD CP-5 6,169' 6,170' 3 0.34 1/19/2013 20/40 White: 35,219 lbs 15% HCl: 756 gals 6,169' 6,177' 3 0.34 1/19/2013 Pad: 3,809 gals Treating Fluid: 8,315 gals Flush: 5,960 gals Load to Recover: 18,588 gals ISIP= 0,856 ps/rt Max STP: 3,525 psi				$\vdash$		┝──					MINA SIP:		3,272	hai		H		
Pad: 2,310 gals Treating Fluid: 8,125 gals  Flush: 5,687 gals Load to Recover: 16,626 gals  ISIP= 0,777 psi/ft Max STP: 3,023 psi  1 6,072' 6,073' 3 0,34 1/19/2013 Formation: BSL-SD CP-5  6,169' 6,170' 3 0,34 1/19/2013 Pad: 35,219 lbs 15% HCl: 756 gals  6,175' 6,177' 3 0,34 1/19/2013 Pad: 3,809 gals Treating Fluid: 8,315 gals  Flush: 5,960 gals Load to Recover: 18,588 gals  ISIP= 0,856 psi/ft Max STP: 3,525 psi	2										15% HOL		0.041	aala		H		
Flush: 5,687 gals   Load to Recover: 16,626 gals   SIP= 0.777 pat/ft   Max STP: 3,023 psi   EOT @ 6231'; TA @ 6133'		5,959'	5,962'	3	0.34	1/19/2013						iid.						
Second					-	<del> </del>										H		
1 6,072' 6,073' 3 0,34 1/19/2013 Formation: BSL-SD CP-5 6,169 6,170' 3 0,34 1/19/2013 20/40 White: 35,219 lbs 15% HCl: 756 gals 6,175' 6,177' 3 0,34 1/19/2013 Pad: 3,809 gals Treating Fluid: 8,315 gals TVD @ 6281' Flush: 5,960 gals Load to Recover: 18,588 gals ISIP= 0,856 ps/ft Max STP: 3,525 psi						<del>                                     </del>						· <del>-</del> ··				8		EOT @ 6231'; TA @ 6133'
6,169' 6,170' 3 0.34 1/19/2013 20/40 White: 35,219 lbs 15% HCl: 756 gals 6,175' 6,177' 3 0.34 1/19/2013 Pad: 3,809 gals Treating Fluid: 8,315 gals 6,180' 6,182' 3 0.34 1/19/2013 Flush: 5,960 gals Load to Recover: 18,588 gals 1SIP= 0.856 psi/t Max STP: 3,525 psi	1	6.072'	6.0731	3	0.34	1/10/2012												
6,175' 6,177' 3 0.34 1/19/2013 Pad: 3,809 gals Treating Fluid: 8,315 gals  6,180' 6,182' 3 0.34 1/19/2013 Flush: 5,960 gals Load to Recover: 18,588 gals  ISIP= 0.856 psi/ft Max STP: 3,525 psi	'										15% HCI:		756	gals				_
6,180' 6,182' 3 0.34 1/19/2013 Flush: 5,960 gais Load to Recover: 18,588 gais BHST = 190°F  ISIP= 0.856 psi/ft Max STP: 3,525 psi												uid:				A		_
ISIP= 0.856 psi/ft Max STP: 3,525 psi							Flush:				Load to Red	cover:			M ·			BHST = 190°F
Surf							isiP≃		0.856	psi∕ft	Max STP:		3,525	psi				
Prod On 10/25/12 Baker pumped 240 sks lead @ 11 ppg w/ 1.24 yield plus 470 sks tail @ 14.4 ppg w/ 3.53 yield. Returned 30 bbls to the pit TOC @ 28'	Ę	Surf	On 10/11/12	Baker cemen	ted 8 5/8" ca	sing w/ 160 sl	ks Class "G" +	2% KCI + 0.1	25#/sk Cello	Flake at 15.8	ppg w/ 1.17 y	ield and retur	ned 3 bbls to t	he pit				
To 10/25/12 Baker pumped 240 sks lead @ 11 ppg w/ 1.24 yield plus 470 sks tail @ 14.4 ppg w/ 3.53 yield. Returned 30 bbls to the pit TOC @ 28'	ME														 			
	ö	Prod	On 10/25/12	Baker pumpe	d 240 sks lea	ad @ 11 ppg v	w/ 1.24 yield p	ilus 470 sks ta	eil @ 14.4 pp	g w/ 3.53 yiel	d. Returned 3	0 bbls to the	pit. TOC @ 28	3'				



Surf

#### GMBU I-13-9-15

Monument Butte - Duchesne County, Utah, USA

Surface location: SE/NE Sec 13, T9S, R15E; 2083' FNL & 422' FEL

DLB 11/29/1

Mickey Moulto

6076' GL 10' KB

API#: 43-013-51086; Lease#: UTU-66184 Spud Date: 9/11/12; PoP Date: 10/24/12 Drift Coupling Hole Casing Тор Bottom Size Wt Grade Burst Collapse ID gal/ft 326' 8.625 24# J-55 7.972" 2,950 1,370 8.097 STC 12.250 Surf 7.875 4.950" 0.9997 5.5 15.5# 4.825" 4,810 4,040 6,382 Тор Botton Couplin Size Wt. Grade Drift Burst Collapse ID Packer/Hanger TBG. DETAIL 8-5/8"Shoe @ 326" J-55 10' 6,222 8EUE 2-7/8" 6.5# 2.347" 7,260 7,680 2.441 ubing Anchor Set @ Component Тор Bottom Size Grade Length Count Spray Meta 30' 1 1/2" nsert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ olish Rod 30' ony Rod 30' 34' 7/8" 3159'. Cent. Hyd. 4' spray metal .003,CPID barrel Tenaris D7 nax stroke 224" 34' 2.034 7/8" 2,000 80 oer Guided Rod Tenaris D78 Aper Guided Rod 2.034 5,409 3/4" Tenaris D78 3.375 135 oer Guided Rod 5 409 6 159' 7/8" Tenaris D78 750' 30 Gun Size Date Frac Summary Stage Botton 4,588 4,590' ormation: PB-11 KCL 7% 0/11/2012 4,601 4,603 10/11/2012 20/40 White 15% HCL: Treating Fluid: 10,256 gals Pad: 2,297 gals Total Load to Rec: Flush: 4,624 gals 17.178 gals ISIP= 0.880 psi/ft Max STP: 3,642 psi 10/11/2012 Formation: C Sand KCL 7% 20/40 White: 50,256 lbs 15% HCL: 502 gals 4,945 4,949' 3 10/11/2012 4' ad: 2,205 gals Treating Fluid: 10,865 gals Total Load to Rec: Flush: 4,901 gals 18,472 gals ISIP= 1.090 psi/ft Max STP: 3,963 psi KCL 7% 5,080 Formation: B-2 5,079 10/11/2012 20/40 White 82,929 lbs 15% HCL; 500 gals 5,094 5,095 3 10/11/2012 2,453 gals Treating Fluid: 17,947 gais 5,098 5,100 3 Pad: 10/11/2012 Total Load to Rec: 25.977 gals 5,106' 5.108 3 2' 10/11/2012 Flush: 5,078 gals SIP= 0.840 psi/ft Max STP: 3,183 psi LODC 5 5.472 5.473 10/11/2012 Formation: KCL 7% 20/40 White: 15% HCL: 500 gals 46.436 lbs 5 478' 5 479' 3 11 10/11/2012 5,536 5,537 Pad: 2,621 gals Treating Fluid: 11,991 gals 10/11/2012 5,447 gals Total Load to Rec: 20,559 gals 5,576 5,577' 3 10/11/2012 0.800 psi/ft 4,018 psi 5.585 5.584 3 10/11/2012 5 654 5,655 3 10/11/2012 5,668 5,669' 10/11/2012 5,685 5,686' 3 10/11/2012 1' Formation: CP-1 KCI 7% 5.736 5.738 10/11/2012 15% HCL: 20/40 White: 27,207 lbs 500 gals 3 5.754 5.758 10/11/2012 Treating Fluid: 6.447 gals Pad: 3 070 gais Flush: 5,737 gals Total Load to Rec: 15,754 gals ein-Max STP: 3,981 psi 0.960 psi/ft Formation: CP-3 KCL 7% 5,803 5,804 10/10/2012 20/40 White: 78,122 lbs 500 gals 5,839 5,840 3 10/10/2012 Treating Fluid: 5 854 5.855 10/10/2012 Pad: 3,104 gals 17,636 gals 5,868' 5,871' 3 Flush: 5,716 gals Total Load to Rec: 26,960 gals 3' 10/10/2012 ISIP= Max STP: 3,211 psi Formation: KCI 7% 2 5,940 5,943' 10/10/2012 15% HCL: 20/40 White: 82,689 lbs 500 gals 5.9661 10/10/2012 Treating Fluid: 5,979' 5,980' 3 11 10/10/2012 Pad: 2,713 gals 18,551 gals Flush: 5,746 gals Total Load to Rec: 27,510 gals ISIP= Max STP: 3,234 psi 0.790 psi/ft Formation BSL-SD KCL 7% 6,151 6,155 10/9/2012 5-1/2"Shoe @ 6382" 20/40 White: 19,947 lbs 857 gals Treating Fluid: Pad: 2,562 gals 4.780 gals TVD @ 6215' Flush: 6,103 gals Total Load to Rec: 14,297 gals BHST = 190°F SIP=

On 9/12/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCI + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 6 bbls to the pit.

On 9/23/12 Baker pumped 250 sks lead @ 11 ppg w/ 3.53 yield plus 485 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 40 bbls to the pit. TOC @ 250'



CEMENT

Surf

#### GMBU H-18-9-16

Monument Butte - Duchesne County, Utah, USA

Surface location: SE/NW Sec 18, T9S, R16E; 1937' FNL & 1990' FWL

6083' GL 10' KB

Mickey Moulton

DLB 11/29/12

Spud Date: 9/12/12; PoP Date: 10/29/12 API#: 43-013-51171; Lease#: UTU-74390 Coupling Hole Drift bbl/ft Casing Bottom Size Wt Grade Burst Collapse ID Тор Surf 312' 8.625 24# 1,370 8.097 2.6749 STC 12.250 15.5# 4.825" 4,040 4.950" 0.9997 LTC 7.875 10' J-55 4,810 6,370 5.5" Prod Packer/Hanger Тор Bottom Coupling Size Wt. Grade Drift Burst Collapse ID TBG. DETAIL ubing Anchor Set @ 8-5/8"Shoe @ 312" 2.441" 7.680 10' 6,013 8EUE 2-7/8" 6.5# J-55 2.347 7,260 Component Тор Size Grade Length Count Pump nsert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ olish Rod 30 1 1/2" Spray Metal 30' 1 4' Spray Metal .003, CPID Barrel 30' 46' 7/8" Tenaris D78 16' 2 5.946 ony Rod Tenaris D78 1,900 76 46' 1,946' 7/8" ROD per Guided Rod per Guided Rod 1.946 5.246 3/4" Tenaris D78 3,300 132 er Guided Rod 5.246 5.946' 7/8" Tenaris D78 700' 28 Bottom SPF Gun Size Date Frac Summary Stage 4,286 4,287 ormation: GB-4 10/16/2012 4,303 4,305 3 10/16/2012 20/40 White: 157,682 lbs 15% HCL: 0 gals 1,504 gals Treating Fluid: 36,044 gals 4,315' 2' 4,313 10/16/2012 Total Load to Rec: 41,807 gals Flush: 4,259 gals 4,330' 4.333 3 3' 10/16/2012 Max STP: SIP= 0.880 psi/ft 1.941 psi Formation: PB-10 4 10/16/2012 4 552 4 555' 20/40 White: 15% HCL: 685 gals 50,964 lbs 4,564 4,567' 3 10/16/2012 11,953 gals Pad: 1,856 gals Treating Fluid: Flush: 4,574 gals Total Load to Rec: 19,068 gals ISIP= Max STP: 2,818 psi 0.940 psi/ft B-Half 5,054 5,058' 10/16/2012 3 20/40 White: 63.787 lbs 15% HCL: 664 gals 5.062 5.064 3 2' 10/16/2012 Pad: 1,252 gals Treating Fluid: 14,717 gals 5,053 gals Total Load to Rec: 21,685 gals SIP= Max STP: 0.920 psi/ft 3,195 psi CP-2 2 5.763 5.765 10/16/2012 15% HCL: 1,172 gals 20/40 White: 46,720 ibs 5.770 5.771' 3 10/16/2012 Treating Fluid: 5,793' 5,797' 3 4' 10/16/2012 Pad: 5,179 gals 10,580 gals Flush: 5,792 gals Total Load to Rec: 22,722 gals Max STP: 3,750 psi 0.770 psi/ft 10/13/2012 Formation: 5.925 5.921 5-1/2"Shoe @ 6370" 20/40 White: 15% HCL: 26.311 lbs 1,655 gals Treating Fluid: Pad: 2,818 gais 6,653 gals TVD @ 6277' Flush: 5,149 gals Total Load to Rec: 16,275 gals PBTD @ 6323' BHST = 180°F

On 9/14/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCI + 0.25#/sk Celto Flake at 15.8 ppg w/ 1.17 yield and returned 8 bbls to the pit.

On 10/2/12 Baker pumped 240 sks lead @ 11 ppg w/ 3.53 yield plus 470 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 25 bbls to the pit. TOC @ Surface.

#### **Multi-Chem Analytical Laboratory**

1553 East Highway 40 Vernal, UT 84078

Units of Measurement: Standard





Water Analysis Report

Production Company: NEWFIELD PRODUCTION

Well Name:

FEDERAL 12-18-9-16

Sample Point:

Treater

Sample Date:

4/30/2013

Sample ID:

WA-242484

Sales Rep: Michael McBride Lab Tech: John Keel

Scaling potential predicted using ScaleSoftPitzer from

Brine Chemistry Consortium (Rice University)

Sample Specifics	S	
Test Date:	5/20/2013	
System Temperature 1 (°F):	120.00	ŝ
System Pressure 1 (psig):	60.0000	ē
System Temperature 2 (°F):	210.00	Ñ
System Pressure 2 (psig):		č
Calculated Density (g/ml):	1.007	ŝ
pH:	6.50	B
Calculated TDS (mg/L):	13441.30	İr
CO2 in Gas (%):		ż
Dissolved CO <sub>2</sub> (mg/L)):		Ĺ
H2S in Gas (%):		Ā
H2S in Water (mg/L):		ī

	Analysis @ Pro	perties in Sample Specifics	
Cations	mg/L	Anions	mg/L
Sodium (Na):	4996.37	Chloride (CI):	7000.00
Potassium (K):	18.28	Sulfate (SO <sub>4</sub> ):	24.00
Magnesium (Mg):	4.61	Bicarbonate (HCO <sub>3</sub> ):	1342.00
Calcium (Ca):	20.84	Carbonate (CO <sub>3</sub> ):	
Strontium (Sr):	2.75	Acetic Acid (CH3COO)	
Barium (Ba):	7.41	Propionic Acid (C2H5COO)	
lron (Fe):	12.47	Butanoic Acid (C3H7COO)	
Zinc (Zn):	0.19	Isobutyric Acid ((CH3)2CHCOO)	
Lead (Pb):	0.02	Fluoride (F):	
Ammonia NH3:		Bromine (Br):	
Manganese (Mn):	2.69	Silica (SiO2):	9.67

Notes: AJ = .02

#### (PTB = Pounds per Thousand Barrels)

			cium oonate	Bariun	Sulfate		on Ifide		on oonate		osum 4-2H2O		estite SO4		alite aCl		inc Ifide
Temp (°F)	PSI	SI	PTB	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ
210.00	60.00	0.00	0.00	0.19	1.37	1.86	4.54	1.72	8.89	0.00	0.00	0.00	0.00	0.00	0.00	6.77	0.10
200.00	60.00	0.00	0.00	0.21	1.46	1.80	4.51	1.64	8.85	0.00	0.00	0.00	0.00	0.00	0.00	6.81	0.10
190.00	60.00	0.00	0.00	0.23	1.57	1.74	4.48	1.56	8.80	0.00	0.00	0.00	0.00	0.00	0.00	6.85	0.10
180.00	60.00	0.00	0.00	0.25	1.70	1.69	4.45	1.48	8.75	0.00	0.00	0.00	0.00	0.00	0.00	6.90	0.10
170.00	60.00	0.00	0.00	0.28	1.85	1.64	4.42	1.40	8.69	0.00	0.00	0.00	0.00	0.00	0.00	6.95	0.10
160.00	60.00	0.00	0.00	0.31	2.02	1.60	4.39	1.31	8.60	0.00	0.00	0.00	0.00	0.00	0.00	7.01	0.10
150.00	60.00	0.00	0.00	0.35	2.20	1.56	4.36	1.23	8.50	0.00	0.00	0.00	0.00	0.00	0.00	7.08	0.10
140.00	60.00	0.00	0.00	0.39	2.39	1.53	4.34	1.15	8.38	0.00	0.00	0.00	0.00	0.00	0.00	7.15	0.10
130.00	60.00	0.00	0.00	0.44	2.58	1.50	4.31	1.06	8.23	0.00	0.00	0.00	0.00	0.00	0.00	7.23	0.10
120.00	60.00	0.00	0.00	0.50	2.79	1.48	4.30	0.97	8.05	0.00	0.00	0.00	0.00	0.00	0.00	7.32	0.10

#### **Multi-Chem Analytical Laboratory** 1553 East Highway 40

Vernal, UT 84078

ATTACHMENT P 2055

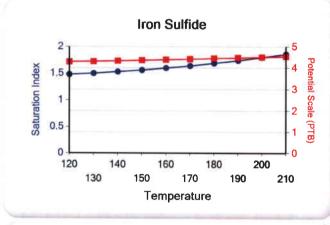


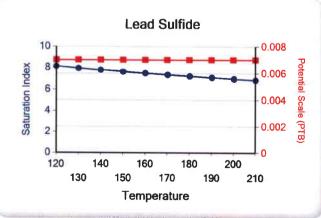
Water Analysis Report

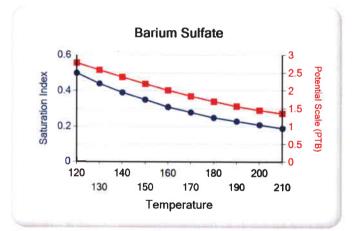
			hydrate 4~0.5H2 O		ydrate SO4		lcium oride		inc onate		ead Ilfide		/lg cate		Mg cate		Fe icate
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.86	0.01	0.00	0.00	0.00	0.00	2.59	6.82
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.96	0.01	0.00	0.00	0.00	0.00	2.10	6.04
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.08	0.01	0.00	0.00	0.00	0.00	1.62	5.08
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.20	0.01	0.00	0.00	0.00	0.00	1.13	3.89
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.33	0.01	0.00	0.00	0.00	0.00	0.64	2.44
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.47	0.01	0.00	0.00	0.00	0.00	0.16	0.68
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.62	0.01	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.01	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.96	0.01	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00

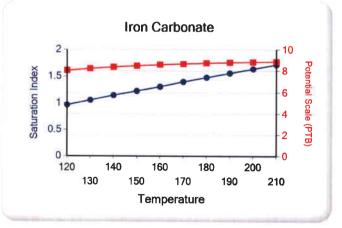
These scales have positive scaling potential under initial temperature and pressure: Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide



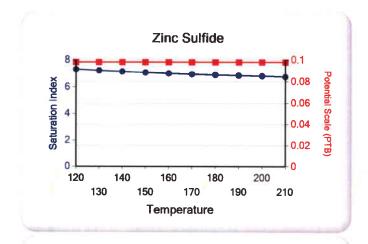


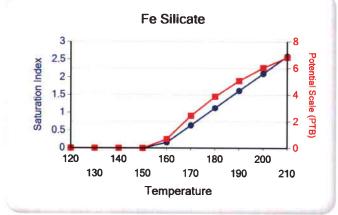






Water Analysis Report





#### **Multi-Chem Analytical Laboratory**

1553 East Highway 40 Vernal, UT 84078

Units of Measurement: Standard

## ATTACHMENT F 4085



Water Analysis Report

Production Company: NEWFIELD PRODUCTION

Well Name:

**SWDIF** 

Sample Point:

After Filter

Sample Date: Sample ID:

12/4/2012 WA-229142

Sales Rep: Michael McBride

Lab Tech: Gary Peterson

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	12/5/2012
System Temperature 1 (°F):	120.00
System Pressure 1 (psig):	60.0000
System Temperature 2 (°F):	210.00
System Pressure 2 (psig):	60.0000
Calculated Density (g/ml):	0.999
pH:	6.80
Calculated TDS (mg/L):	2304.49
CO2 in Gas (%):	
Dissolved CO <sub>2</sub> (mg/L)):	15.00
H <sub>2</sub> S in Gas (%):	
H2S in Water (mg/L):	2.50

	Analysis @ Prop	erties in Sample Specifics	
Cations	mg/L	Anions	mg/L
Sodium (Na):	734.93	Chloride (CI):	1000.00
Potassium (K):	11.00	Sulfate (SO <sub>4</sub> ):	120.00
Magnesium (Mg):	26.00	Bicarbonate (HCO <sub>3</sub> ):	366.00
Calcium (Ca):		Carbonate (CO <sub>3</sub> ):	
Strontium (Sr):		Acetic Acid (CH3COO)	
Barium (Ba):	0.17	Propionic Acid (C2H5COO)	
Iron (Fe):	0.13	Butanoic Acid (C3H7COO)	
Zinc (Zn):		Isobutyric Acid ((CH3)2CHCOO)	•••••
Lead (Pb):		Fluoride (F):	
Ammonia NH3:		Bromine (Br):	
Manganese (Mn):	0.04	Silica (SiO2):	

Notes:

9:30

#### (PTB = Pounds per Thousand Barrels)

			cium oonate	Bariun	i Sulfate		ron Ilfide		ron oonate		psum 14 2H2O		estite SO4		alite aCl		inc Ilfide
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	РТВ
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

ATTACHMENT F

1553 East Highway 40 Vernal, UT 84078

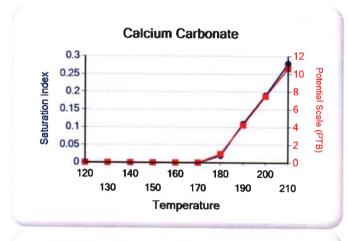


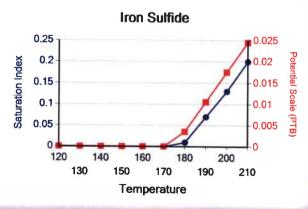
#### Water Analysis Report

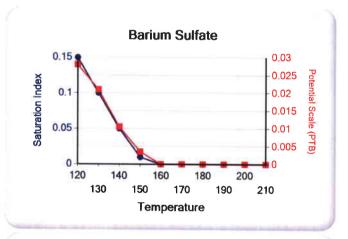
			hydrate 4~0.5H2 O		ydrate SO4		cium oride		inc oonate		ead Ifide		Mg icate		Mg cate		e cate
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

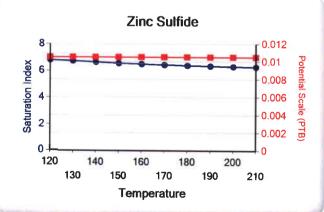
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide









#### Attachment "G"

## Federal #12-18-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)				Calculated Frac	
•	•	Avg. Depth	ISIP	Gradient	_
Тор	Bottom	(feet)	(psi)	(psi/ft)	Pmax
5320	5400	5360	2451	0.89	2416
5084	5096	5090	2509	0.93	2476
4895	4902	4899	1836	0.81	1804 ◀
4682	4688	4685	2197	0.90	2167
4128	4136	4132	2058	0.93	2031
				Minimum	1804

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433\*1.015)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433\*Top Perf.))/Top Perf.

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## ATTACHMENT G

10f9

#### **DAILY COMPLETION REPORT**

WELL NA	ME:	F	ederal 12-1	8-9-16		Rep	ort Date	e:1	1-2-07				Day:	01_
Opera	ation:	Co	mpletion						R	ig: _	Rig	gless		
					WELL	STA	ATUS							
	8-5/8' Size:	@	320' Wt:	(	Prod Csg Grd:	g:	5-1/2" Pkr/	@ EOT @:	6029	) <u>'</u> 	Csg BP/Sand	PBTD: PBTD:		I'WL
				P	ERFORA	TION	I RECO	RD						
Zone		<u>Pe</u>	<u>rfs</u>	SPF/#s				Zone			Perfs		SPF/#	shots
	-								. <u> </u>			_		
	-								· —			_		
I ODC ada	-	E220 E2	40'	4/80	<del> </del>				·					
LODC sds	-	5320-53 5387-54		4/52					<u> </u>				-	
				CHRC	NOLOG	ICAL	OPERA	TIONS						
Date Work	Perfo	rmed:	01-No							TP:		SICP:	(	<u> </u>
Starting fluic	d load	to be rec	overed:	<u>FL</u> 142	UID REC		RY (BB							
Fluid lost/red			-			_	ecovered					_		
Ending fluid			d: <u>14</u> FT				recovere		ا السنما ال	oto		_ Einal	oil cut:	
IFL:			-	*****		e:		Filla	i Fluid K	ate			on cut.	
Base Fluid u	ood:		IMULATION	<u>l DETAIL</u> ob Type:	1				\٨/4	aatha	<u>COS</u> erford BOI			
Company:	iseu.			ob Type							C NU crev			
Procedure of	r Equi	pment de	etail:							ND	SI trucking	_ g		
		-							F	Perfo	rators LL0	<u></u>		
	·										Orilling cos	<u>st</u>	·	
										Zub	ate Hot O	<u>il</u>		
								_	Locat	ion p	oreparatio	<u>n</u>		
								<del></del>		NP	C wellhea	<u>d</u>		
									B	ence	o - anchor	<u>s</u> _		
								_	Ac	min	Overhea	<u>d</u>		
								_		<b>IPC</b>	Superviso	<u>r</u>		
Max TP:		Max Rat			luid pmpo			<del></del> -				_		<del></del>
Avg TP: _ ISIP:		Avg Rat 5 mi	***************************************	Total F 10 min:	rop pmpe		FG:		DAIL	V C	OST:	_		\$0
Complet	ion S		<del></del>	n Shuck	<del></del>	'	· •	_			LL COST	:		Ψ0



## ATTACHMENT G-1

Rig: Rigless

Day: \_2a\_

#### **DAILY COMPLETION REPORT**

Report Date: 7-Nov-07

Federal 12-18-9-16

Completion

**WELL NAME:** 

Operation:

					WELL S		-				
Surf Csg:	8-5/8	<u>'</u> @ _	320'	•	Prod Csg: _			6029'			5941'WL
Tbg:	Size:		Wt:	G	rd:	Pkr/EC	n w:		_ BP/Sand	РБІБ.	
				PE	RFORATIO	ON RECORD	<u>)</u>				
<b>Zone</b>		<u> </u>	<u>Perfs</u>	SPF/#sl	<u>nots</u>	Zor	<u>1e</u>		<u>Perfs</u>		SPF/#shots
	-									_	
	-	e								_	
	-									_	
LODC sds	_	5320-5 5387-5		4/80 4/52						_	
LODC Sus	-	3307-0	)400 ———————————————————————————————————			U OBEDATI	<u> </u>				
Data Mari	. Dawfa		04		NOLOGICA	AL OPERATI	<u>ON2</u>	SITP		SICP:	15 psi
Date Work	СРЕПС	ormea:		6-Nov-07				SHE		SICP.	15 psi
psi @ ave well. 1625	rate o	f 24.8 E	3PM. Pun	fresh wtr mixe nped 504 gals	of 15% HC	CL in flush fo	r Stag	ge #2. ISIF	P 2451 psi.	Leave	pressure or
Starting flu	id looe	l to bor	rocovorod:	<u>FLU</u> 142		VERY (BBLS g oil rec to da					
Fluid lost/re				1483		t/recovered to				-	
Ending flui				1625		il recovered:				_	
IFL:		_ FFL: _		FTP:	Choke: _		Final	Fluid Rate		_Final	oil cut:
			STIMULAT	ION DETAIL	<del>-</del>	<u></u> .			COST	S	
Base Fluid	used:	Ligh	tning 17	Job Type:	Sand	frac			vices-LODC		
Company:		BJ Ser	vices	_				CD w	tr & trucking	1	
Procedure	or Equ	ipment	detail:	LC	DC sands	<u> </u>		Zub	iate wtr hea	<u>t</u>	
780	gals of	pre-pa	d of 4% Te	echni-Hib 767V	٧			Weatherfo	rd tools/serv	<u>/</u>	
724	gals of	flush s	pacer						IPC trucking	<u> </u>	
1690	0 gals	of pad						NPC	supervision	<u>1</u>	
1175	0 gals	W/ 1-5	ppg of 20	/40 sand						_	
2350	0 gals	W/ 5-8	ppg of 20	/40 sand							
3315	gals \	N/ 8 pp	g of 20/40	sand						_	
Flusi	า W/ 5	04 gals	of 15% H	CL acid						_	
			ls of slick v								
**Flu	sh call	ed @ b	lenderinc	ludes 2 bbls pu	ımp/line vo	lume**				_	
Max TP		-		BPM Total flu	-					_	
_		-	Rate: 24.8	BPM Total P	op pmpd: _			DAILY			\$0
	2451	-	min:	10 min: Drson Barney		FG: <u>.89</u>		TOTAL W	ELL COST	:	\$0



## ATTACHMENT G-1

Rigless

Rig: \_\_\_\_

3 of 9

Day: \_2b\_

#### **DAILY COMPLETION REPORT**

Report Date: 7-Nov-07

Federal 12-18-9-16

Completion

**WELL NAME:** 

Operation:

				WELL	STATU	<u>JS</u>					
Surf Csg:	8-5/8	@ 320'	_	<b>Prod Csg</b>	j: <u>5-1</u>	1/2"	@	6029'	_		5941'WL
Tbg:	Size:	Wt:		3rd:		_Pkr/EO	T @:		_ <u>BP</u> /Sand	PBTD:	5200'
			PE	ERFORA	TION R	ECORD					-
<b>Zone</b>		<u>Perfs</u>	SPF/#s			Zon			<u>Perfs</u>		SPF/#shots
	-							. <u>-</u>		_	
	-	<u>,                                      </u>	<u> </u>	<del></del>		· · · · · · · · · · · · · · · · · · ·		-		_	
A1 sds	-	5084-5096'	4/48	<u> </u>				· <u></u>		_	
LODC sds	_	5320-5340'	4/80							_	
LODC sds	•	5387-5400'	4/52							_	
			·	NOLOGI	CAL OF	PERATIO	<u>ONS</u>			0100	4000!
Date Work	Perfo	ormed: 06	6-Nov-07					SITP		SICP:	1830 psi
gun. Set p EXP-3319- 20/40 sand Techni-Hib	olug @ 331 T in 44 767W	WLT, crane & lul 5200'. Perforat itan) w/ 4 spf for 8 bbls of Lightnin /. Treated w/ ave 3. ISIP 2509 psi.	te A1 sds @ total of 48 sh g 17 fluid. Bi e pressure of	5084- 96 ots. RU roke @ 1 2174 psi	' w/ 3-1 BJ Serv 895 psi @ ave	/8" Slick vices. 1 . Pump rate of	Gui 830 ed 7 24.8	ns (19 gra psi on well 80 gals of t BPM. Pu	m, .49" HE . Frac A1 s resh wtr mi	, 120 , sds w/ xed wi	21.92" pen 45,166#'s o th 30 gals o
			FI	UID REC	OVEDV	/ /RRI S	<b>.</b>				
Starting flui	id load	to be recovered:	1625			rec to da					
Fluid <u>lost</u> /re			448		_	vered to				_	
_		recovered:	2073		oil reco		<b>-</b> 11	Florid Data			-!!4.
IFL:		FFL:	_ FTP:	Cnoke	):	•	Fina	I Fluid Rate		_Finai	oil cut:
,			ION DETAIL						COST		
		Lightning 17	_ Job Type: _	Sa	nd frac				Services-A1 tr & trucking	_	
Company:		BJ Services	-	<b>84</b>	_					_	
<del></del>		ipment detail:		A1 sands	<u> </u>				IPC fuel gas	_	
		pre-pad of 4% Te	echni-Hib /6/	<u>/v</u>					rd tools/serv	-	
		flush spacer							orators LLC	<del>-</del>	
	gals c					<del></del>		NPC	supervisior	<u>1</u>	
	•	V/ 1-5 ppg of 20/4								_	
5669	gals V	V/ 5-8 ppg of 20/4	10 sand							_	
Flush	W/ 50	04 gals of 15% H	CL acid							_	
Flush	1 W/ 4	578 gals of slick v	vater.			<del></del>				-	
**Flus	sh call	ed @ blenderinc	ludes 2 bbls p	ump/line v	volume*	*				<b>-</b>	
Max TP:	2440	Max Rate: 24.8	BPM Total fl	uid pmpd	: 448	bbls				<del>-</del>	
Avg TP:	2174	Avg Rate: 24.8	BPM Total P	rop pmpd	l: <u>45,1</u>	66#'s_		DAILY (			\$0
	2509 tion S		10 min: _ Drson Barney		FG:	.93		TOTAL W	ELL COST	·	\$0



## ATTACHMEN G-1

Rigless

Rig: \_\_\_\_

409

Day: 2c

#### DAILY COMPLETION REPORT

Federal 12-18-9-16

Completion

WELL NAME:

Operation:

Report Date: 7-Nov-07

					WELL S	STATU:	<u>s</u>					
Surf Csg:	8-5/8	@	320'		Prod Csg:				029'			5941'WL
Tbg:	Size:		_ Wt:_	G	rd:	<del>-</del>	Pkr/EOT	@:		_ <u>BP</u> /Sand		
				DE	RFORATI	ION RE	CORD				3P: 520	<u> </u>
Zone		<u>Perf</u>	's	SPF <u>/#sl</u>		ION IXE	Zone			Perfs		SPF/#shots
<u> </u>			_			_					_	
	-					_					_	
B.5 sds	-	4895-4902 5084-509		4/28 4/48		-					-	
A1 sds LODC sds	-	5320-534		4/46		-		<del></del>	<del></del>		-	
LODC sds	_	5387-540		4/52	<del></del>	-					_	
				CHRO	NOLOGIC	AL OP	ERATION	NS				
Date Work	Perfo	rmed:	06-	Nov-07					SITP:		SICP:	1840 psi
											_	
Day 2c.		14/1 T	0 1		/ ١٨/	ام ماهم	E 4/0" 6k	/ aaman	aaita fl	an through	fron n	lua 8 7' per
RU Perto	rators	WLI, crar	ne & lub	ricator. RIH	w/ weath	ieriora Punta 1	5-1/2 or	Cupe	/10 ara	ow inrough	11aC p	1ug & 7 pei 21 02" nen
gun. Set p	olug @	4990°. P	enorate	B.5 sds @ 4 otal of 28 sho	895- 4902	. W/J-I	1/0 SIICK	Guns 10 poi o	(19 gra	III, .49 FI	., 120 ede w/	, 21.82 pen 25.406#'s o
20/40 sans		itan) w/ 4 : 2 bblo of l	sprior id	17 fluid. Br	aka @ 22	SO pei	Dumner	+0 psi 0 + 780 a	ale of f	roch wtr mi	ived wi	th 30 dals o
Zu/4u sand	1 III 30 767\A	Z DDIS OI L	ignining Lw/ ava	pressure of	2034 nei /	.ou psi.	rate of 2	4 8 RPI	ais Oil M. Piir	nned 504 d	rals of	15% HCl ii
flush for St	70/1	/. Treated	iw/ave	_eave pressu	zoo4 psi (	2425	RIMTR C	See Day	vi. i ui , 2d	iipea oo+ g	jais oi	1070 1102 11
nustrior St	age #	t. 1317 10	oo psi.  i	_eave pressu	te on wen.	. 2420	DVVII	bee Day	<b>Z</b> u.			
				FLU	JID RECC	VERY	(BBLS)					
Starting flu	id load	to be reco	vered:	2073			ec to date	:				
Fluid lost/re				352			ered toda	ay:				
Ending flui	d to be		i:	2425		oil reco						
IFL:		FFL:		FTP:	Choke:		Fi	inal Flui	d Rate:		_Final	oil cut:
		STI	MULATI	ON DETAIL		_				cos	<u>ΓS</u>	
Base Fluid	used:	Lightni	ng 17	Job Type: _	San	d frac		,	BJ S	Services-B.	5_	
Company:		BJ Servic	es						CD w	tr & trucking	<u>9</u>	
Procedure	or Equ	ipment det	tail:		3.5 sands				N	PC fuel gas	<u>s</u> _	
780	gals of	pre-pad o	f 4% Ted	chni-Hib 767\	N			Wea	atherfo	d tools/ser	<u>/</u>	
757 <u>(</u>	gals of	flush spac	cer						Perf	orators LLC	<u>.</u>	
2500	gals	of pad							NPC	supervision	<u>1</u>	
1915	gals \	N/ 1-4 ppg	of 20/40	) sand							_	
3931	gals \	N/ 4-6.5 pp	og of 20/	40 sand								
Flush	า W/ 5	04 gals of	15% HC	L acid								
Flust	า W/ 4	389 gals o	f slick wa	ater.							_	
**Flu	sh call	ed @ blend	derinclu	ıdes 2 bbls pı	ımp/line v	olume**					_	
Max TP:	2309	Max Rate	: <b>24.8</b> l	BPM_Total fl	uid pmpd:	352	bbls				_	
Avg TP:	2034	Avg Rate	: 24.8	BPM Total P	rop pmpd:	25,40	)6#'s_	D	AILY (	COST:		\$0
	1836	-		10 min: _		FG:	.81	TO	TAL W	ELL COST	:	\$0
Comple	etion S	Superviso	r: 0	rson Barnev	,							



## ATTACHMENT G-1 5059

Rigless

Rig: \_\_\_\_\_

Day: 2d

#### **DAILY COMPLETION REPORT**

Report Date: 7-Nov-07

Federal 12-18-9-16

Completion

**WELL NAME:** 

Operation:

0.10	0.5/0	_	2001		WELL ST			6029'	Com BRID.	E0/1'\A/I
Surf Csg: Tbg:	8-5/8 Size:	@	320' Wt:	-	Prod Csg: _ Grd:		@ :ОТ @:	0029	BP/Sand PBTD:	5941'WL 4790'
ı bg.	OIZC.				J.u.				BP: 4990',	
				<u>P</u>	ERFORATIO	ON RECOR	<u>D</u>			
<u>Zone</u>			<u>Perfs</u>	<u>SPF/#s</u>	shots	<u>Z</u> (	<u>one</u>		<u>Perfs</u>	SPF/#shots
D1 sds	-	4682	-4688'	4/24	<del></del>					
B.5 sds	-		-4902'	4/28						
A1 sds	<del>-</del>	5084	-5096'	4/48				40		
LODC sds	-		-5340'	4/80						
LODC sds	-	5387	-5400'	4/52						
				CHRC	NOLOGICA	L OPERA	<u> </u>			
Date Work	Perfo	rmed	: 06	6-Nov-07				SITP:	SICP:	1436 psi
gun. Set p EXP-3319- 20/40 sand Techni-Hib	olug @ 331 T I in 26 767W	) 4790 itan) v 4 bbls /. Tre	D'. Perforat v/ 4 spf for s of Lightnin eated w/ ave	e D1 sds @ total of 24 sh g 17 fluid.  B	4682- 88' w nots. RU BJ Broke @ 193 52207 psi @	// 3-1/8" SI Services. 7 psi. Pun ) ave rate	ick Gun: 1436 p 19ed 78 of 24.8 l	s (19 grai si on well. 0 gals of fi 3PM. Pur	ow through frac p m, .49" HE, 120 Frac D1 sds w/ resh wtr mixed w nped 504 gals of	, 21.92" pen 15,540#'s o ith 30 gals o
				FI	UID RECOV	/FRY (BBI	S)			
Starting flu	id load	to be	recovered:	2425		g oil rec to				
Fluid lost/re				264	Oil lost	recovered	today:			
Ending fluid				2689		I recovered				
IFL:		FFL:		FTP:	<u>C</u> hoke: _		_ Final	Fluid Rate:	Final	oil cut:
			STIMULAT	ION DETAIL					COSTS	
Base Fluid	used:	Lig	htning 17	Job Type:	Sand	frac		BJ S	Services-D1	
Company:		BJ Se	rvices	_				CD w	r & trucking	
Procedure	or Equ	ipmen	t detail:		D1 sands			N	PC fuel gas	
780 g	gals of	pre-p	ad of 4% Te	echni-Hib 767	w			Veatherfor	d tools/serv	
<u>581 (</u>	gals of	flush	spacer					Perfo	orators LLC.	
1500	gals o	of pad					···	NPC	supervision	
<u>1149</u>	gals \	V/ 1-4	ppg of 20/4	l0 sand						
2382	gals \	V/ 4-6	.5 ppg of 20	)/40 sand	. <u>.</u>					
Flush	า W/ 5	04 gal	s of 15% H	CL acid						
Flush	n W/ 4	175 ga	als of slick v	vater.			<del>-</del> -			
	•			udes 2 bbls p						· · · · · · · · · · · · · · · · · · ·
Max TP:		•		BPM Total f BPM Total F		264 bbls 15,540#'s		DAILY C	OST:	\$0
•	2197			···	- rob buiba: _	FG: .91			ELL COST:	<u>\$0</u>
Comple			omin: visor:	10 min: Drson Barne	<u>y</u>	го. <u>.эт</u>		IOIAL W	LLL 0031	



## ATTACHMENT G-1

6 of 9

Day: \_2e

#### **DAILY COMPLETION REPORT**

Report Date: 7-Nov-07

WELL NAME: Federal 12-18-9-16

Surf Csg: 8-5/8	Completion	<u>n</u>				Rig:	Rigless	
Surf Cea: 8-5/8			WELL S	TATUS				
Juli Cau. U-J/U	@ 320'	Р	rod Csg:	5-1/2"	@	6029'	Csg PBTD:	5941'WL
Tbg: Size:	. •	Gre		Pkr/EC	)T@:_		BP/Sand PBTD	
				DE00DE	_		BP: 4790', 49	90', 5200'
7	Dorfo			ON RECORD	_		Perfs	SPF/#shots
Zone GB2 sds	Perfs 4128-4136'	<u>SPF/#sho</u> 4/32	<u>ots</u>	Zor	<u>16</u>		rens	OI I IMBIIOC
D1 sds	4682-4688'	4/24					<del></del>	
B.5 sds	4895-4902'	4/28						
A1 sds	5084-5096'	4/48						
LODC sds	5320-5340'	4/80	<del></del>					
LODC sds	5387-5400'	4/52						
			<u>OLOGICA</u>	AL OPERAT	<u>IONS</u>		0100	4400 '
Date Work Perfo	rmed: <u>06</u>	-Nov-07				SITP:	SICP	1426 psi
Techni-Hib 767W	8 bbls of Lightning /. Treated w/ ave 4 choke @ 1 BPM	pressure of 1	1986 psi @	ave rate o	f 24.9	BPM. ISII	⊃ 2058 psi. Beg	jin immedia
		EI II	ID BECO	VERY (BBLS	21			
Starting fluid load	I to be recovered:	2689		g oil rec to d				
Fluid lost/recover		105		t/recovered to	-			
Ending fluid to be		2794		il recovered:				
	ee:		Chalcai			Clid Data.		
IFL:	_ FFL:	FTP:	Choke: _		Final	Fluid Rate:	Finai	oil cut:
IFL:		FTP:	Cnoke: _		Final	riuid Kale:	COSTS	oil cut:
Base Fluid used:	STIMULAT Lightning 17			l frac	Final _	BJ Se	COSTS ervices-GB2	oil cut:
Base Fluid used:	STIMULAT	ION DETAIL			Final	BJ Se	COSTS ervices-GB2 r & trucking	oil cut:
Base Fluid used: Company:	STIMULAT Lightning 17 BJ Services	ION DETAIL Job Type:		l frac	Final	BJ Se	COSTS ervices-GB2	oil cut:
Base Fluid used: Company: Procedure or Equ	STIMULAT Lightning 17 BJ Services	Job Type:	Sand B2 sands	l frac		BJ Se CD w	COSTS ervices-GB2 r & trucking	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of	STIMULAT Lightning 17 BJ Services ipment detail:	Job Type:	Sand B2 sands	l frac		BJ Se CD wi N Weatherfor	COSTS ervices-GB2 r & trucking PC fuel gas	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of	STIMULAT Lightning 17 BJ Services ipment detail: pre-pad of 4% Te	Job Type:	Sand B2 sands	l frac		BJ Se CD wi N Weatherfor Perfo	costs ervices-GB2 r & trucking PC fuel gas d tools/serv	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of	STIMULAT Lightning 17 BJ Services ipment detail: pre-pad of 4% Te flush spacer of pad	Job Type:  GI chni-Hib 767W	Sand B2 sands	l frac		BJ Se CD wi N Veatherfor Perfo	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC.	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of 3300 gals of	STIMULAT Lightning 17 BJ Services sipment detail: pre-pad of 4% Te flush spacer of pad N/ 1-4 ppg of 20/4	Job Type:	Sand B2 sands	l frac		BJ Se CD wi N Weatherfor Perfo NPC	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC. supervision	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of 3300 gals of 2431 gals \ 3748 gals \	STIMULAT Lightning 17 BJ Services ipment detail: pre-pad of 4% Te flush spacer of pad N/ 1-4 ppg of 20/4 N/ 4-6.5 ppg of 20	GION DETAIL Job Type: GI echni-Hib 767W 0 sand	Sand B2 sands	l frac		BJ Se CD wi N Weatherfor Perfo NPC NPC flor	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC. supervision wback hand wtr transfer	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of 3300 gals of 2431 gals \ 3748 gals \ 500 gals \	STIMULAT Lightning 17 BJ Services sipment detail: pre-pad of 4% Te flush spacer of pad N/ 1-4 ppg of 20/4 N/ 4-6.5 ppg of 20 1/ 6.5 ppg of 20/40	GION DETAIL Job Type: GI schni-Hib 767W 0 sand 1/40 sand	Sand B2 sands	l frac		BJ Se CD wi N Weatherfor Perfo NPC NPC flow CD B&L-n	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC. supervision wback hand wtr transfer ew J-55 tbg	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of 3300 gals of 2431 gals \ 3748 gals \ 500 gals \	STIMULAT Lightning 17 BJ Services ipment detail: pre-pad of 4% Te flush spacer of pad N/ 1-4 ppg of 20/4 N/ 4-6.5 ppg of 20	GION DETAIL Job Type: GI schni-Hib 767W 0 sand 1/40 sand	Sand B2 sands	l frac		BJ Se CD wi N Weatherfor Perfo NPC NPC flor CD B&L-n Unichen	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC. supervision wback hand wtr transfer ew J-55 tbg	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of 3300 gals of 2431 gals \ 3748 gals \ 500 gals W Flush W/ 4	STIMULAT Lightning 17 BJ Services sipment detail: pre-pad of 4% Te flush spacer of pad N/ 1-4 ppg of 20/4 N/ 4-6.5 ppg of 20 1/ 6.5 ppg of 20/40 032 gals of slick w	GION DETAIL Job Type: GI chni-Hib 767W 0 sand 0/40 sand 1/40 sand 1/40 sand 1/40 sand 1/40 sand	Sand B2 sands	l frac		BJ Se CD wi N Weatherfor Perfo NPC NPC flow CD B&L-n Unichen	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC. supervision wback hand wtr transfer ew J-55 tbg n chemicals s pit reclaim	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of 3300 gals of 2431 gals \ 3748 gals \ 500 gals W Flush W/ 4	STIMULAT Lightning 17 BJ Services ipment detail: pre-pad of 4% Te flush spacer of pad N/ 1-4 ppg of 20/4 N/ 4-6.5 ppg of 20 // 6.5 ppg of 20/40 032 gals of slick w	GION DETAIL Job Type: GI chni-Hib 767W 0 sand /40 sand /ater. udes 2 bbls pur	Sand B2 sands	I frac		BJ Se CD wi N Weatherfor Perfo NPC NPC flow CD B&L-n Unichen Monks	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC. supervision wback hand wtr transfer ew J-55 tbg n chemicals s pit reclaim equipment	oil cut:
Base Fluid used: Company: Procedure or Equ 780 gals of 682 gals of 3300 gals of 2431 gals of 3748 gals of 500 gals of Flush W/ 4	STIMULAT Lightning 17 BJ Services ipment detail: fpre-pad of 4% Te flush spacer of pad N/ 1-4 ppg of 20/4 N/ 4-6.5 ppg of 20 // 6.5 ppg of 20/40 032 gals of slick w ed @ blenderincle Max Rate: 25 E	GION DETAIL Job Type: GI chni-Hib 767W 0 sand 0/40 sand 1/40 sand 1/40 sand 1/40 sand 1/40 sand	Sands  B2 sands  /  mp/line vo	l frac		BJ Se CD wi N Weatherfor Perfo NPC NPC flow CD B&L-n Unichen Monks	costs ervices-GB2 r & trucking PC fuel gas d tools/serv erators LLC. supervision wback hand wtr transfer ew J-55 tbg n chemicals s pit reclaim equipment estern rig #4	oil cut:



# ATTACHMENT G-1 PLETION REPORT Report Date: 8-Nov-07 Day: 3 Rig: Rigless

**DAILY COMPLETION REPORT** 

WELL NAME: Federal 12-18-9-16

Completion Supervisor: Orson Barney

Ope	ration:	Completion						Rig:	Rigi	ess	
		<u></u>		WEI	LL STA	TUS					·
Surf Csg:	8-5/8' @	320'		Prod C		5-1/2"	@	6029'	Csg P	BTD:	5941'WL
Tbg:	Size: 2 7	/8" Wt:	6.5#	_Grd:	J-55	Pkr/E	от @: _	5632'	BP/Sand P	BTD:	
				PERFOR	RATION	RECOR	D			-	
Zone		<u>Perfs</u>		#shots	<u> </u>		ne		<u>Perfs</u>		SPF/#shots
GB2 sds		-4136'	4/32								
D1 sds		-4688'	4/24								
B.5 sds		-4902'	4/28								
A1 sds LODC sds	_	-5096' -5340'	4/48 4/80								
LODC sus		-5400'	4/52	<del></del>			<del></del>	·····			
				RONOLO	GICAL	OPERAT	IONS				
Date Work	Rerformed	i: 07-	Nov-07	CONOLO	OIOAL	OI LIVAI	10110	SITP:	9	SICP:	220 psi
			_	FLUID RE							
_	id load to be	_	2794	_	_	il rec to d	_				
_	ecovered tod d to be recov		35 2759	_		covered tecovered:					
IFL:			FTP:	_		scovereu.	_	Fluid Rate:	<del></del>	Final o	oil cut:
		STIMULATI					<u>-</u>		COSTS		
Base Fluid	used:	<u>OTIMOLATI</u>	Job Type					We	stern rig #4	_	
Company:			.,,,,,				-		erford BOP		
, ,	or Equipmen	nt detail:					_	NDSI wt	r & trucking		
			······································						OSI trucking		
-									elding/labor		
····									supervision		
									wtr disposal		
							- <del>-</del>		ion cleanup		
									st sanitation		
									ower swivel		
·			<del>, , , , , , , , , , , , , , , , , , , </del>				-		atherford bit		
-									PC trucking		
Max TP	: Max	Rate:	Tota	I fluid pm	pd:						
Avg TP	-	Rate:		l Prop pm			- <del>-</del>	DAILY C	OST:		\$0
ISIP		 5 min:	 10 min	:	F	G:		TOTAL WI	ELL COST:		\$0



## ATTACHMENT G-1 8 of 9

#### **DAILY COMPLETION REPORT**

WELL N	NAME:	Fede	eral 12-	18-9-16		Rep	ort Date	: 9-	Nov-07	-		Day: 4
Ope	ration	Comp	letion						Rig:	Ri	gless	
·····					WE	ELL STA	ATUS					
Surf Csg:	8-5/8		0'		Prod (		5-1/2"	_ @	6029'		PBTD:	5980'
Tbg:	Size:	2 7/8"	Wt:	6.5#	_Grd: _	J-55	Pkr/i	EOT @:	4035'	_ BP/ <u>Sanc</u>	I PBTD:	
					PERFO	RATION	I RECO	<u>RD</u>			<u></u>	
<b>Zone</b>		<u>Perfs</u>			#shots		<u>z</u>	one		<u>Perfs</u>		SPF/#shots
GB2 sds	_	4128-4136'		4/32								
D1 sds	_	4682-4688'		4/24					-			***************************************
B.5 sds	_	4895-4902'		4/28 4/48								
A1 sds LODC sds	_	5084-5096' 5320-5340'		4/46								
LODC sds		5387-5400'		4/52			*****					
					ONOLO	CICAL	OPERA	TIONS				
Date Worl	k Perfo	ormed:	08-N	<u>спк</u> lov-07	ONOLC	<u> JGICAL</u>	OPERA	TIONS	SITP:	100	SICP:	140 psi
tog. EOT	<u>@</u> 403	5'. SIWFN w	// 2024	BVVIK.								
				F	LUID R	ECOVE	RY (BBI	LS)			<del></del>	N. 1822 .
Starting flu	iid load	l to be recove	red:	2759	S	Starting	oil rec to	date:				
Fluid lost/r				35	_		ecovered	•				
		recovered:		624			recovered		EL SID-4-		—	-:4-
IFL:		. FFL:	F	TP:	Gn	оке:		Fina	Fluid Rate	·	Final	oil cut:
		STIM		N DETA	_					cos		
Base Fluid	used:			Job Type	:			_		estern rig #		
Company:									Weat	nerford BO	<u>P</u>	
Proce <u>dure</u>	or Equ	ipment detail	:			<u> </u>			Nabors p	ower swive	<u>el</u>	<del></del>
									N	IPC truckin	<u>g</u>	
									NPC	supervisio	n	
<del>,</del>								_		CDI T	<u>—</u> А	
·										CDI S		
Bush Patrick Control of the Control												
							<u>, , , , , , , , , , , , , , , , , , , </u>	_			_	
		<i>///</i>									-	
***************************************												
									· · · · · · · · · · · · · · · · · · ·			
 Max TP	1.	Max Rate:		Total	fluid na	npd:		_			<del></del>	
Avg TP		Avg Rate:		Total				_	DAILY (	COST:		\$0
ISIP		5 min:		10 min			FG:			ELL COST	T:	\$0
		Supervisor:	Ors	on Barn		'						



## ATTACHMENT G-1 9 of 9

**DAILY COMPLETION REPORT** 

WELL NAME:		Fede	ral 12-18-	9-16	Rep	ort Date:	11.	Nov-07			Day:5_
	Operation:	Compl	etion		_			Rig:		Rigless	
	, ,			1	VELL STA	TUS					
Surf C	sg: 8-5/8	@ 320	)'	Pro	d Csg:	5-1/2"	@	6029'	C	sg PBTD:	5980'
Tbg:	Size:	2 7/8"	Wt: 6.	. <u>5#</u> Grd:	J-55	Pkr/E	ОТ @: _	5482	BP/ <u>Sa</u>	nd PBTD:	5980'
				PERF	ORATION	RECOR	D				<u> </u>
Zoi	<u>ne</u>	<u>Perfs</u>		SPF/#shots			ne one		<u>Perfs</u>		SPF/#shots
GB2 s		4128-4136'		4/32	_						
D1 sd		4682-4688'	<del></del>	4/24	_						
B.5 sc		4895-4902' 5084-5096'		4/28 4/48	_					<del></del>	
A1 sd		5320-5340'		4/40	_						
LODO		5387-5400'		4/52	_						
	<del></del>			CHRONO	I OGICAL	OPERA	IONS			<u> </u>	
Date <sup>1</sup>	Work Perfo	rmed:	09-Nov	-	<u> </u>	01 2101		SITP:	20	SICP:	50 psi
plain i unit. Place FINAL Startir	rods, 100-3 Tbg was fu well on pro REPORT!  ng fluid load lost/recover	to be recove	d rods, 1-2 test tbg & 00 PM 11/	2' X 3/4" po k pump W/ 9/2007 W/	ny rods ar unit to 800	nd 1 1/2" ) psi. Go 5 SPM RY (BBL bil rec to	X 26' <sub>l</sub> pod pur	polished ro	d. Seat	pump &	RU pumping
IFL:	g nuia to be	ro o o voro di	2624								
		recovered: _ FFL:	2624 FTP:	<del></del>	Cum oil r Choke:		:	Fluid Rate:		Final	oil cut:
	TURI	FFL:			Cum oil r Choke:	ecovered	:	Fluid Rate:			oil cut:
	TUBI				Cum oil r	ecovered	:		CC	OSTS	oil cut:
KB		FFL:		R	Cum oil r Choke: OD DETAI	ecovered L	:	,		<u>DSTS</u> 1 #4	oil cut:
-	12.00'	FFL:NG DETAIL	FTP:	1 1/2" X 20	Cum oil r Choke: OD DETAI	ecovered L	:	Weath	<u>CC</u> Western erford B	0STS n #4 sOP	oil cut:
172	12.00' 2 7/8 J-55 t	FFL: NG DETAIL bg (5341.36')	FTP:	1 1/2" X 20 1-2' X 3/4"	Cum oil r Choke:  OD DETAL 6' polished pony rod	L rod	:	Weath N	CC Western erford B PC truck	DSTS 1 #4 SOP king	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @	FFL: NG DETAIL bg (5341.36') 5353.36' KE	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s	Cum oil r Choke: OD DETAL 6' polished ' pony rod crapered r	L rod	:	Weath N CE	CC Western erford B PC truck	DSTS 1 #4 5OP king	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @ 2 7/8 J-55 t	FFL:	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s 90-3/4" pla	Cum oil r Choke: OD DETAL 6' polished pony rod crapered r ain rods	L rod	:	Weath N CI "A" grad	CC Western erford B PC truck DI rod pu e rod str	OSTS 1 #4 OP sing imp	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @ 2 7/8 J-55 t SN (1.10' @	hg (5341.36') 5353.36' KE bg (61.70') 5417.88' KE	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s 90-3/4" pla 20-3/4" sc	Cum oil r Choke: OD DETAI 6' polished pony rod crapered r ain rods rapered ro	L rod	:	Weath N CE "A" grad	CO Western erford B PC truck DI rod pu e rod str nead rub	DSTS 1 #4 OP king imp ring ober	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @ 2 7/8 J-55 t SN (1.10' @ 2 7/8 J-55 t	bg (5341.36') 5353.36' KE bg (61.70') 5417.88' KE	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s 90-3/4" pla 20-3/4" sc 6-1 1/2" w	Cum oil r Choke: OD DETAI 6' polished r pony rod crapered r ain rods rapered ro eight rods	L rod ods	:	Weath N CE "A" grad Circ t	Western erford B PC truck DI rod pu e rod sti nead rub tks(9X5 o	DSTS 1 #4 100P 100P 100P 100P 100P 100P 100P 100	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @ 2 7/8 J-55 t SN (1.10' @ 2 7/8 J-55 t 2 7/8 NC (	bg (5341.36') 5353.36' KE bg (61.70') 5417.88' KE bg (62.17')	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s 90-3/4" pla 20-3/4" sc 6-1 1/2" w	Cum oil r Choke: OD DETAI 6' polished r pony rod crapered r ain rods rapered ro eight rods X 1 1/2" X	L rod ods	:	Weath N CE "A" grad Circ h NPC frac	Western erford B PC truck DI rod pu e rod sti nead rub tks(9X5 o	DSTS  1 #4  OP  sking  imp  ring ober  dys)	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @ 2 7/8 J-55 t SN (1.10' @ 2 7/8 J-55 t	bg (5341.36') 5353.36' KE bg (61.70') 5417.88' KE bg (62.17')	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s 90-3/4" pla 20-3/4" sc 6-1 1/2" w	Cum oil r Choke: OD DETAI 6' polished r pony rod crapered r ain rods rapered ro eight rods X 1 1/2" X	L rod ods	:	Weath N CE "A" grad Circ t NPC frac NPC swat	Western erford B PC truck DI rod pu e rod str nead rub tks(9X5 o tk (5 da	DSTS  1 #4  OP  king  imp  ring  bber  dys)  ead	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @ 2 7/8 J-55 t SN (1.10' @ 2 7/8 J-55 t 2 7/8 NC (	bg (5341.36') 5353.36' KE bg (61.70') 5417.88' KE bg (62.17')	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s 90-3/4" pla 20-3/4" sc 6-1 1/2" w	Cum oil r Choke: OD DETAI 6' polished r pony rod crapered r ain rods rapered ro eight rods X 1 1/2" X	L rod ods	:	Weath N CE "A" grad Circ t NPC frac NPC swat	Western erford B PC truck DI rod pu e rod struck nead rub tks(9X5 of tk (5 da	osts  1 #4  OP  sing  imp  ring ober  dys)  ead  ntal	oil cut:
172	12.00' 2 7/8 J-55 t TA (2.80' @ 2 7/8 J-55 t SN (1.10' @ 2 7/8 J-55 t 2 7/8 NC (	bg (5341.36') 5353.36' KE bg (61.70') 5417.88' KE bg (62.17')	FTP:	1 1/2" X 20 1-2' X 3/4" 100-3/4" s 90-3/4" pla 20-3/4" sc 6-1 1/2" w	Cum oil r Choke: OD DETAI 6' polished r pony rod crapered r ain rods rapered ro eight rods X 1 1/2" X	L rod ods	:	Weath N CE "A" grad Circ t NPC frac NPC swat	Western erford B PC truck DI rod pu e rod str nead rub tks(9X5 o tk (5 da c frac he	osts  1 #4  OP  sing  imp  ring ober  dys)  ead  ntal	oil cut:
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#### **ATTACHMENT H**

#### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4178'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	176' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 50 sx Class "G" cement down 5 1/2" casing to 370'

The approximate cost to plug and abandon this well is \$42,000.

#### Federal 12-18-9-16

Spud Date: 10-11-07 Put on Production: 11-9-07 GL: 6120' KB: 6132'

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (309') HOLE SIZE:12-1/4" DEPTH LANDED: 320.05'

CEMENT DATA: 160 sxs Class "G" cmt

# PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 155 jts. (6015') Includes Shoe Jt. (39.35')

HOLE SIZE: 7-7/8" DEPTH LANDED: 6029'

CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 133'

Proposed P & A Wellbore Diagram

Cement Top@ 133

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1527'-1647')

Pump 50 sx Class "G" Cement down 5-1/2" casing to 370'

176' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2847'-3023')

100' (12 sx) Class G Cement plug on top of CIBP CIBP @4178'

4128-4136'

4682-4688'

4895-4902' 5084-5096'

5320-5340'

5387-5400'

PBTD @ 5980'

TD @ 6050'

# NEWFIELD

Federal 12-18-9-16 1980' FSL & 560' FWL NWSW Section 18-T9S-R16E Duchesne Co, Utah API #43-013-32998; Lease #UTU-64379

# DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

Applicant: Newfield Production Company	_ Well:	Federal 12-18-9-16	
Location: 18/9S/16E	API:	43-013-32998	

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 320 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,029 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,134 feet. A 2 7/8 inch tubing with a packer will be set at 4,078 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 11 producing wells, 9 injection wells, 1 P/A well, and 1 shut-in well in the AOR. Five of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. Also, there is 1 approved surface location outside the AOR, from which a directional well will be drilled to a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2100 feet. Injection shall be limited to the interval between 3,987 feet and 5,980 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 12-18-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,804 psig. The requested maximum pressure is 1,804 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

# Federal 12-18-9-16 page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold	Date: 6/25/2013

## The Salt Lake Tribune



**ACCOUNT NUMBER** 

# Desert News

PROOF OF PUBLICATION

**CUSTOMER NAME AND ADDRESS** 

**CUSTOMER'S COPY** 

DATE

DIV OF OIL-GAS & MINING,		900140235	6/14/2013
1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114			BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-410
ACCOUNT N	IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUC- TION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 15 TOWNSHIP 9 SOLITH RANGE		
DIV OF OIL-GAS	IN THE MATTER OF THE APPLICATION OF NEWHIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 15, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 6, 15, 18, 19, 20, and 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.		
TELEPHONE		/ INVOICE NUMBE	THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.
8015385340	0000886505	1	Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of NewHeiled Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:
SCHEDU	LE *		
Start 06/14/2013	End 06/14/20	013	Greater Monument Butte Unit:  Ashley Federal 10-15-9-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 15 East API 43-013-32471  West Point U 12-6-9-16 well located in NW/4 SW/4, Section 6, Township 9 South, Range 16 East
CUST, REF	. NO.		API 42-013-31765 Jonah Federal 16-15-9-16 well located in SE/4 SE/4, Section 15, Township 9 South, Range 16 East API 43-013-32754 Federal 12-18-9-16 well located in NW/4 SW/4, Section
Cause No. UIC-410		Federal 12-18-9-16 well located in NW/4 SW/4, Section 18, Township 9 South, Range 16 East API 43-013-32998 Federal 14-18-9-16 well located in SE/4 SW/4, Section 18,	
САРТІО		Township 9 South, Range 16 East API 43-013-33000	
BEFORE THE DIVISION OF OIL, GAS AND MININ	NG DEPARTMEI	NT OF NATURAL RE	19. Township 9 South, Range 16 East
SIZÉ	A Track		Federal 3-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East API 43-013-33454
78 Lines	2.00	COLUMN	The proceeding will be conducted in accordance with Utal Admin. R649-10, Administrative Procedures.
TIMES		RATE	Selected zones in the Green River Formation will be used for water Injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.
4 MISC: CHARGES	<u> </u>	D'CHARGES	Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Soil Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedura rules. Protestonts and for intervenes should be proceeded.
		OTAL COST	vention is received, a hearing will be scheduled in accord- ance with the aforementioned administrative procedura rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their in- terests.
		267.08	Dated this 11th day of June, 2013. STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/
AFFIDA	AVIT OF PUBLICATI	ON	Brad Hill Permitting Manager 886505 UPAXLP
WSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAI	H LEGAL BOOKER, I	CERTIFY THAT THE ATT	ACHED ADVERTISEMENT OF

AS NEWSF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-410 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON

Start 06/14/2013

End 06/14/2013

VIRGINIA CRAFT <del>y Public</del>. State of Utah . Commission # 581469 My Commission Expires

January 12 2014

**SIGNATURE** 

6/14/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION" PLEASE PAY FROM BILLING STATEMENT

## AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for \_\_\_\_\_/ consecutive issues, and that the first publication was on the \_\_/\$\begin{align\*} \day \text{of} & \textstyle{\textstyle{\text{UNE}}} & \text{, 20} \textstyle{\text{3}} & \text{, and that the issue of such newspaper dated the \_\_/\$\begin{align\*} \day \text{of} & \textstyle{\text{UNE}} & \text{, 20} \textstyle{\text{3}} & \text{, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Publisher

Subscribed and sworn to before me on this

<del>\_\_\_\_\_</del>

, 20 <u>/ /</u>

by Kevin Ashby.

Notary Public



#### NOTICE OF AGENCY AC-TION CAUSE NO. UIC-410

BEFORE THE DI-VISION OF OIL, GAS AND MINING, DE-PARTMENT OF NAT-URAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICA-TION OF NEW-FIELD PRODUC-TION COMPANY FOR ADMINISTRA-TIVE APPROVAL OF CERTAIN WELLS LOCATED IN SEC-TION 15, TOWN-SHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 6, 15, 18, 19, 20, and 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJEC-TION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 10-15-9-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 15 East

API 43-013-32471 West Point U 12-6-9-16 well located in NW/4 SW/4, Section 6, Township 9 South, Range 16 East

API 43-013-31765 Jonah Federal 16-15-9-16 well located in SE/4 SE/4, Section 15, Township 9 South, Range 16 East

API 43-013-32754 Federal 12-18-9-16 well located in Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of June, 2013.

STATE OF UTAH DIVISION OF OIL, GAS & MINING

/s/

Brad Hill

Permitting Manager Published in the Uintah Basin Standard June 18, 2013. see tarnsk

Notary Public

Notary Public

SONNIE FAPRISH

Commission #853427

My Conumission Express

February 23, 2016

State of Utan

injection wells:
Greater Monument
Butte Unit:

Ashley Federal 10-15-9-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 15 East

API 43-013-32471 West Point U 12-6-9-16 well located in NW/4 SW/4, Section 6, Township 9 South, Range 16 East

API 43-013-31765 Jonah Federal 16-15-9-16 well located in SE/4 SE/4, Section 15, Township 9 South, Range 16 East

API 43-013-32754 Federal 12-18-9-16 well located in NW/4 SW/4, Section 18, Township 9 South, Range 16 East

API 43-013-32998 Federal 14-18-9-16 well located in SE/4 SW/4, Section 18, Township 9 South, Range 16 East

API 43-013-33000 Federal 13-19-9-16 well located in SW/4 SW/4, Section 19, Township 9 South, Range 16 East

Range 16 East
API 43-013-33103
Monument Federal
22-20-9-16 well located in SE/4 NW/4,
Section 20, Township
9 South, Range 16 East
API 43-013-31681

Federal 3-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East

API 43-013-33454
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Permitting Manager Published in the Uintah Basin Standard June 18, 2013.

#### BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-410

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 15, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 6, 15, 18, 19, 20, and 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

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Ashley Federal 10-15-9-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 15 East API 43-013-32471

West Point U 12-6-9-16 well located in NW/4 SW/4, Section 6, Township 9 South, Range 16 East API 43-013-31765

Jonah Federal 16-15-9-16 well located in SE/4 SE/4, Section 15, Township 9 South, Range 16 East API 43-013-32754

Federal 12-18-9-16 well located in NW/4 SW/4, Section 18, Township 9 South, Range 16 East API 43-013-32998

Federal 14-18-9-16 well located in SE/4 SW/4, Section 18, Township 9 South, Range 16 East API 43-013-33000

Federal 13-19-9-16 well located in SW/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33103

Monument Federal 22-20-9-16 well located in SE/4 NW/4, Section 20, Township 9 South, Range 16 East API 43-013-31681

Federal 3-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East API 43-013-33454

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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Dated this 11th day of June, 2013.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Brad Hill

Permitting Manager

#### **Newfield Production Company**

#### ASHLEY FEDERAL 10-15-9-15, WEST POINT U 12-6-9-16, JONAH FEDERAL 16-15-9-16, FEDERAL 12-18-9-16, FEDERAL 14-18-9-16, FEDERAL 13-19-9-16 MONUMENT FEDERAL 22-20-9-16, FEDERAL 3-30-9-16

#### Cause No. UIC-410

#### Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail legals@ubstandard.com

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 Ute Tribe P O Box 190 Ft. Duchesne, UT 84026

Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel US EPA Region 8 MS 8P-W-GW 1595 Wynkoop Street Denver, CO 80202-1129

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Juan Sweet



#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

June 11, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-410

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure





## Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-410

Cindy Kleinfelter <classifieds@ubstandard.com>

Wed, Jun 12, 2013 at 10:20 AM

To: Jean Sweet <jsweet@utah.gov>

On 6/11/2013 2:40 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Jean Sweet **Executive Secretary** Utah Division of Oil, Gas and Mining 801-538-532

This will run June 18. Thank you, Cindy



#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

June 11, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-410

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure





### **Proof for Notice**

**Stowe, Ken** <naclegal@mediaoneutah.com>
Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>
To: jsweet@utah.gov

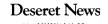
AD# 886505 Run SL Trib & Des News 6/14 Cost \$267.08 Thank You



Tue, Jun 11, 2013 at 3:21 PM







Remit to: P.O. Box 704005 West Valley City, UT 84170

#### Order Confirmation for Ad #0000886505-01

Client

DIV OF OIL-GAS & MINING

**Payor Customer** 

DIV OF OIL-GAS & MINING

Client Phone 801-538-5340

**Payor Phone** 

801-538-5340

Account#

9001402352

**Payor Account** 

9001402352

Address

1594 W NORTH TEMP #1210, P.O. BOX 145801 Payor Address

1594 W NORTH TEMP #1210, P.O. BO) SALT LAKE CITY, UT 84114

SALT LAKE CITY, UT 84114 USA

801-359-3940

Ordered By

Acct. Exec

**EMail** 

Fax

juliecarter@utah.gov

Jean

kstowe

**Total Amount** 

\$267.08

Payment Amt

\$0.00

**Tear Sheets** 

**Proofs** 

**Affidavits** 

**Amount Due** 

\$267.08

PO Number

Cause No. UIC-410

**Payment Method Confirmation Notes:** 

Text:

Jean

Ad Type

Ad Size

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Legal Liner **Product** 

**Placement** 

Salt Lake Tribune::

Legal Liner Notice - 0998

Scheduled Date(s): 6/14/2013

**Product** 

**Placement** 

Deseret News::

Legal Liner Notice - 0998

Scheduled Date(s):

6/14/2013

**Product** 

<u>Placement</u>

sltrib.com:: Scheduled Date(s): Legal Liner Notice - 0998

**Product** 

6/14/2013

<u>Placement</u> utahlegals.com

utahlegals.com:: Scheduled Date(s):

6/14/2013

**Position** 

Public Meeting/Hear-ing Notices

**Position** 

Public Meeting/Hear-ing Notices

**Position** 

Public Meeting/Hear-ing Notices

**Position** 

utahlegals.com

Ad Content Proof Actual Size

BEFORE THE DIVISION OF CIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF ACENCY ACTION CAUSE NO. UIC-410

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 15, TOWNSHIP 9 SOUTH, RANCE 15 EAST, AND SECTIONS 6, 15, 18, 19, 20, and 30, TOWNSHIP 9 SOUTH, RANCE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Urah, for conversion to Class II injection wells:

Greater Manument Butte Unit:
Ashley Federal 10-15-9-15 well located in NW/4 SE/4,
Section 15, Township 9 South, Range 15 East
API 43-013-32-471
West Point U 12-6-9-16 well located in NW/4 SW/4, Section 6, Township 9 South, Range 16 East
API 43-013-317-65
Jorat Federal 16-15-9-16 well located in SE/4 SE/4, Section 15, Township 9 South, Range 16 East
API 43-013-327-54
Federal 12-18-9-16 well located in NW/4 SW/4, Section 18, Township 9 South, Range 16 East
API 43-013-32998
Federal 14-18-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-330908
Federal 13-19-9-16 well located in SW/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33103
API 43-013-33103
API 43-013-33103
API 43-013-33103
API 43-013-33103
API 43-013-33103
API 43-015-94-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33103
API 43-013-33103

API 43-013-33103 Morument Federal 22-20-9-16 well located in SE/4 NW/4, Section 20, Township 9 South, Range 16 East API 43-013-31681 Federal 3-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East API 43-013-33454

The proceeding will be conducted in accordance with Utah Admin, R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fractive gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or offerwise interverse in the proceeding, must file a written protest or notice of intervention with the Division within fiftheen days following publication of this ratics. The Division's Presiding Officer for the proceeding is 8rad Hill, Permitting Manager, at P.O. Bax 145801, Salt Lake City, UT 84114-5801, programmer (801) 584-5840. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestons and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of June, 2013. STATE OF UTAH DIVISION OF OIL, GAS & MINING

Permitting Manager 886505

UPAXLP



#### **DEPARTMENT OF NATURAL RESOURCES**

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 10, 2013

Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 12-18-9-16, Section 18, Township 9 South, Range 16 East,

SLBM, Duchesne County, Utah, API Well # 43-013-32998

#### Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- 5. The top of the injection interval shall be limited to a depth no higher than 3,987 feet in the Federal 12-18-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely.

John Rogers

Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal

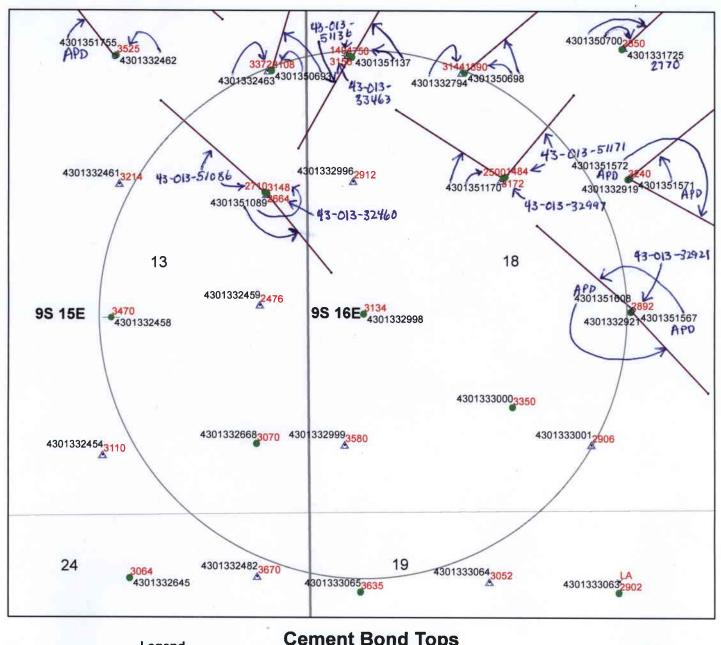
Duchesne County

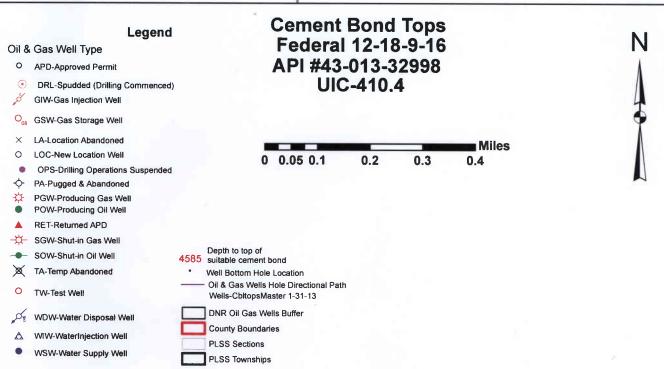
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Well File

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#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

#### UNDERGROUND INJECTION CONTROL PERMIT

#### Cause No. UIC-410

**Operator:** 

**Newfield Production Company** 

Well:

Federal 12-18-9-16

Location:

Section 18, Township 9 South, Range 16 East

County:

Duchesne

API No.:

43-013-32998

Well Type:

Enhanced Recovery (waterflood)

#### **Stipulations of Permit Approval**

- Approval for conversion to Injection Well issued on July 10, 2013. 1.
- Maximum Allowable Injection Pressure: 1,804 psig 2.
- Maximum Allowable Injection Rate: (restricted by pressure limitation) 3.
- Injection Interval: Green River Formation (3,987' 5,980') 4.
- Any subsequent wells drilled within a 1/2 mile radius of this well shall have 5. production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

Rogers ssociate Director 22/2013

JR/MLR/is

cc: Bruce Suchomel, Environmental Protection Agency

Bureau of Land Management, Vernal

Eric Sundberg, Newfield Production Company, Denver

Newfield Production Company, Myton

**Duchesne County** 

Well File

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